

PROFILE



Name : Dr. H. M. Leena
Gender : Female
Department : Computer Applications
Educational Qualification : M.Sc., M.Phil. with SET, Ph.D.

S. No.	Degree / Diploma	Subject / Main	Year of Completion	Name of the College / University
1.	U.G.	B.Sc. Computer Science	1999	Holy Cross College, Trichy.
2.	P.G.	M.Sc. Computer Science	2001	St. Joseph's College, Trichy.
3.	M.Phil.	Computer Science	2004	Bharathidasan University, Trichy.
4.	SET	Computer Science	2016	Mother Teresa University, Kodaikanal.
5.	Ph.D.	Computer Science	2019	Jamal Mohamed College, Trichy.

Teaching Experience at Holy Cross College : 21 Years 10 Months

Memberships in Academic Bodies (Board of studies, Doctoral Committee Member)

1. Chairman, Board of Studies, Holy Cross College(Autonomous), Trichy-2.
2. Member of the Board of Studies in the Department of Computer Science, Jamal Mohamed College(Autonomous), Trichy.(Since November, 2022).

Other Honors /Awards/Achievements/ Responsibilities:

1. EXNORA Coordinator (2010 –2013)
2. Coordinator of Computer Science Department - Shift II(2006-2007)
3. Parent Forum Core Committee(2014-2015)
4. E-Content Core Committee(2014-2015)
5. Qualified SET (February 2016)
6. Ph. D. Awarded (May 2019)
7. Director-M.C.A. & Head of the Department of Computer Science (2019-2022)
8. Convener – International Conference on “Smart and Innovative Technologies” (February 2020)
9. Resource Person – Induction Program for MCA students, St. Joseph's College (Autonomous), Tiruchirappalli – 620002 (12th November 2021)
10. Convener – TANSCHÉ Sponsored Virtual National Seminar on "Machine Learning and Artificial Intelligence in Pandemic Era" (April 2022)
11. Currently – Dean, School of Mathematical Computation Sciences (Since 2022).

E-lessons developed:

S.No.	Title of E-Lessons
1.	DATA STRUCTURES – TREES
1.	OPERATING SYSTEMS – SCHEDULING ALGORITHMS

Fields of Specification under the Subject / Discipline: Software Metrics , Cloud Security, Blockchain Technology

Subjects specialized in Teaching : (UG,PG)

C, C++, Java, Data Structures and Algorithms, Design and Analysis of Algorithms, Cloud Computing, Open Source Tools (PHP, MySQL, Python, Perl), Computer Networks, Database Management Systems, Operating Systems.

Research: M.Phil., Ph. D.

Guided (M. Phil.): 2

Conference/Seminar/Workshop/ Training Programme attended - Academic & General:

S. No.	Theme	Place	International/National / State level	Year	Resource Person / Paper Presentation / Participation
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1.	Data Mining in Bank for Credit card Systems	Nehru Arts and Science College, Nehru Gardens, Thirumalayampalayam, Coimbatore – 641 105.	National Conference	2011	Paper Presentation
2.	Mobile Computing	Gobi Arts & Science College (Autonomous) Gobichettipalayam – 638 453.	UGC Sponsored National Conference	2011	Paper Presentation
3.	Palm Vein Technology	DhanalakshmiSrinivasan Engineering College, Perambalur- 621 212	National Conference	2012	Paper Presentation
4.	Research Article Writing and Patent TC-IFES-2015	CSIR-CLRI, Chennai.	Workshop	May 2015	Participation
5.	Introduction to Design of Algorithms	IIT – Kharagpur (Remotecentre SASTRA, Tanjore	Workshop	May 2015	Participation
6.	CLOUD SECURITY ALGORITHMS – A SURVEY	Jamal Mohamed College (Autonomous),Trichy.	International Conference	2015	Paper Presentation
7.	Importance of Statistical Design & Experiments in Computational Research	Bharathidasan University	National Seminar	Feb 2016	Participation
8.	Enhanced RSA Algorithm For Data Security in Cloud	Bishop Heber College, Trichy	International Level	2016	Paper Presentation
9.	Enhanced RSA Algorithm with varying Key Sizes for Data Security inCloud	St.Joseph’s College, Trichy	International Level	Feb 3–4,2017	Paper Presentation
10.	Asymmetric Addition Chaining Cryptographic Algorithm (ACCA) for Data Security in Cloud	Karunya University, Coimbatore.	International Conference	April 2017	Paper Presentation
11.	Cloud Journey to Industry	Dept. of Computer Science, Holy Cross College (Autonomous), Tiruchirappalli.	International conference	14 th July 2017	Organizing Secretary
12.	A Comparative Study on various Symmetric Key Algorithms for enhancing Data Security in Cloud Environment	Jamal Mohamed College, Trichy.	International Conference	Dec 2017	Paper Presentation
13.	Innovative Computing Technologies	Holy Cross College, Trichy.	National Seminar	8 th Jan 2018	Organizing Member & Participation
14.	Enhanced Key Management with Attribute and Access Specification for Data Storage in Cloud Environment	Jamal Mohamed College, Trichy.	International Conference	Dec 2018	Paper Presentation
15.	Unleashing Machine Learning and Cloud Computing	Holy Cross College, Trichy.	State Level Webinar	09.05.2020	Organizing Member & Participation
16.	How to create Educational Videos	Knowledge Publications and Chemtoons You Tube Channel	National Level Webinar	10.05.2020	Participated
17.	Recent Trends in Cloud Computing	Jamal Mohamed College, Trichy	State Level Webinar	11.05.2020	Participated
18.	The Role of VR & AR in Industry 4.0	Alagappa University, Karaikudi	State Level Webinar	15.05.2020	Participated
19.	Optimizing Family During Lockdown	Holy Cross College, Trichy		19.05.2020	Participated
20.	Artificial Intelligence for COVID 19	DMI College of Engineering, Chennai	State Level Webinar	30.05.2020	Participated
21.	Seed and Weed – Nurturing Relationships	Holy Cross College, Trichy.		02.06.2020	Participated
22.	One week online International FDP on “Artificial Intelligence and IoT-Heuristic Transdisciplinary Perspectives”	Holy Cross College, Trichy.		04.07.2020-10.07.2020	Participated

Orientation / Refresher / Other Courses attended :

Name of the Course	Academic Staff College, University	Duration in Days	From – To (Mention Date here)
E-Content Development	Holy Cross College, Trichy	4	29.04.2013-02.05.2013
Research Methodology in Computer Science	Jamal Mohamed College, Trichy	2	27.01.2015-28.01.2015
Introduction to Design of Algorithms	Conducted by: IIT, Kharagpur Remote Center : Sastra University, Vallam, Thanjavur.	(Two Week-ISTE STTP)	27.04.2015-30.05.2015
Current Trends in Software Engineering	Bishop Heber College, Trichy	1	13.05.2020
Hands on FDP: Data Science using Python	Jeppiaar Institute of Technology, Sriperambudur (Online)	5	18.05.2020-22.05.2020
Artificial Intelligence and IoT-Heuristic Transdisciplinary perspectives	Holy Cross College, Trichy	6	04.07.2020-10.07.2020
Integrated Data Analytics-The Tools and Applications around Industry Verticals	Holy Cross College, Trichy	5	05.07.2021-09.07.2021
New Epoch In Software Learning	Holy Cross College, Trichy (Online)	5	16.08.2021-21.08.2021

Resource Person :

Academic Year	Name of the Programme	Date	Details
2021-2022	Induction Programme	12.11.2021	Organized by St. Joseph's College, Trichy.
2022-2023	Visit to Patna Women's College	06.09.2022-09.09.2022	Collaborative Venture between Patna Women's College and Holy Cross College.
2022-2023	Judge Event - - SWAP 2K22	13.10.2022	National Level Technical Symposium, Jamal Mohamed College, Trichy.

Research activities – Papers Published:

Academic Year	Nature of the Journal	Details
2005	Software Measurement European Forum, Proceedings of SMEF 2005	“Object-Oriented Program Comprehension and Personality Traits”, Rome, Italy.
2015	International Journal of Applied Engineering Research(IJAER)	“Cloud Security Algorithms – A Survey”, Vol.10,No.82, pp.267-271,Dec 2015, Scopus Indexed.
2016	International Journal of Control Theory and Applications	“Enhanced RSA Algorithm for Data Security in Cloud”, Vol. 9, No.27, pp. 147 - 152, 2016, Scopus Indexed.
2017	IEEE Xplore Digital Library	“Enhanced RSA Algorithm with varying Key Sizes for Data Security in Cloud”, 2017, Scopus Indexed.
	International Journal of Scientific Research in Science, Engineering and Technology	“Enhanced Key Management with Attribute and Access Specification for Data Storage in Cloud Environment”, Vol. 3, No. 8, 2017, Scopus Indexed, UGC approved journal.
2018	Springer Publications	“Asymmetric Addition Chaining Cryptographic Algorithm (ACCA) for Data Security in Cloud”, Springer, Singapore, doi:https://doi.org/10.1007/978-981-10-7200-0_30,2018.
	International Journal of Cloud Computing	“A New Key Generation Technique Using GA for Enhancing Data Security in Cloud Environment”, Inderscience publications, Vol. 7, No. 1,2018, Scopus Indexed.
	International Journal of Pure and Applied Mathematics.	“A Comparative Study on various Symmetric Key Algorithms for enhancing Data Security in Cloud Environment”, , Vol. 118, No. 6, 2018, Scopus Indexed, UGC approved Journal.
	International Journal of Scientific Research in Computer Science, Applications and Management Studies	Internet of Everything: State of Art – Research Challenges and Directions, Vol. 7, No. 8, 2018.
	International Journal of Computer Sciences and Engineering	Analysis of Cloud Computing and Its Challenges, Vol. 6, No.12, 2018.

Book Chapter

1. Advances in Big Data and Cloud Computing, **Asymmetric Addition Chaining Cryptographic Algorithm (ACCA) for Data Security in Cloud**, pp. 331-340.

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