




TAGORE ENGINEERING COLLEGE

(A Member of Tagore Group of Institutions Chennai)

Approved by AICTE, New Delhi | Affiliated to Anna University, Chennai

ACCREDITED BY IQAC-NAAC WITH 'A' GRADE

FACULTY PROFILE

PERSONAL DETAILS			
Name&Qualification	Dr.M.RAJALAKSHMI B.E.,M.E.,Ph.D.,		
Designation	ASSOCIATE PROFESSOR		
Department	Information Technology		
Total Teaching Experience	16Years		
Total Research Experience	10Years		
Total Industry Experience	-		
Area of Specialization	Network Security ,WirelessSensorNetwork		
AICTE Faculty ID			
Emai IID	mrjalakshmi@tagore-engg.ac.in		
EDUCATIONAL DETAILS			
Degree	Branch/Specialization	University	Year
UG	B.E- Electrical and Electronics Engineering	Madras University Chennai	2003
PG	M.E- Computer Science and Engineering	Anna University Chennai	2008
Ph.D	Computer Science and Engineering	SCSVMV Kanchipuram	2023
RESEARCH/PUBLICATION DETAILS			
Publications in Journal			
<ol style="list-style-type: none"> 1. M.Rajalakshmi, Dr.C.Parthasarathy, “Comparison of Efficient Encryption Algorithm with the Standard Cryptographic Algorithms for Sensor Nodes Security”, IJAEMA, The International Journal of analytical and modal analysis, Vol 11, No 9, ISSN: 0886-9367, pp 3124-3131,September 2019. 2. M.Rajalakshmi, Dr.C.Parthasarathy, “Replication Attack Detection By using Intrusion Detection System”, JASC- Journal of Applied Sciences and Computations, Vol 6, No.1, ISSN: 1076-5131, pp 96-103, January 2019. 3. M.Rajalakshmi, Dr.C.Parthasarathy, “A Simple Cryptographic Algorithm for Wireless Sensor Networks”, JASC- Journal of Applied Sciences and Computations, Vol 5, No.9, ISSN: 1076- 			

5131, pp 818-824, September 2018.

4. **M.Rajalakshmi**, Dr.C.Parthasarathy, “An Implementation of FHMA for Honey Encrypted Datasets in Wireless Sensor Networks”, ARPN Journal of Engineering and Applied Sciences, Vol 13, No.11, ISSN: 1819-6608, pp 3847-3850, June 2018.

Conference Proceedings

1. **M.Rajalakshmi**, Dr.C.Parthasarathy, “Security for the sensor node data in Wireless Sensor Networks using EECA”, The third International Conference on Advanced Research in Engineering and Applied Sciences (IC-AREAS-2016), S.R.I. College of Engineering and Technology, Vandavasi, Tamilnadu, 25th March 2016.
2. **M.Rajalakshmi**, Dr.C.Parthasarathy , “Performance Evaluation of Efficient Encryption Algorithm SCAWSN for WSN”, 6th National Conference on Recent Trends on Ubiquitous computing and Communication technology, Bannari Amman Institute of technology, Erode ,Tamilnadu, 19th & 20th September 2019.
3. **M.Rajalakshmi**, Dr.C.Parthasarathy, “A Review of Encryption Algorithms”, National Conference on Recent Trends in Computer Science, Applications and Engineering at Thiruvalluvar University Constituent College of Arts and Science, Arakkonam on 8.2.2018.
4. **M.Rajalakshmi**,Dr.C.Parthasarathy, “A Survey of key distribution mechanism for wireless sensor networks”, Second National Conference on Recent Advances in Information Technology at SCSVMV University , 29th January,2015.
5. **M.Rajalakshmi**,Dr.C.Parthasarathy, “Analysis of Cryptographic Algorithms on Wireless Sensor Networks”, National Conference on Network Security at SCSVMV University , 28th October,2013.
6. **M.Rajalakshmi**, “ An Efficient Block to Image Encryption Algorithm for Network Security”, National Conference on Computer and Communication Technologies ,DMI College of Engineering ,Palanchur, Chennai, on 5th April,2013.

SEMINARS/WORKSHOP/CONFERENCE/FDP CONDUCTED

1. Acted as co-ordinator for the Workshop on “R language” conducted at CSE department of P.T.Lee Chengalvaraya Naicker college of Engineering and Technology,Kanchipuram on 3.9.2018.
2. Acted as co-ordinator for the Workshop on “Cloud Computing” conducted at CSE department of P.T.Lee Chengalvaraya Naicker college of Engineering and Technology,Kanchipuram on 12.7.2017.
3. Acted as co-ordinator for the Workshop on “Image Processing” conducted at CSE department of P.T.Lee Chengalvaraya Naicker college of Engineering and Technology,Kanchipuram on 15.7.2016.
4. Coordinator for 10th Convocation day at P.T.Lee Chengalvaraya Naicker College of Engineering and Technology on 27th August 2016.
5. Acted as Convenor for the National Conference on Future technology T20 in Computer Science 2014 at P.T.Lee Chengalvaraya Naicker College of Engineering and Technology on 17.3.2014.

SEMINARS/WORKSHOP/CONFERENCE/FDP ATTENDED

1. Attended Faculty Development Training Programme on “Problem solving Through programming in C “ , Jan-Apr 2024 ,NPTEL from Jan-Apr 2024.
2. Participated in the National Level Three Days Faculty Development and Training Programme on “Current and Future Trends: A Digital Era” organized by Department of Artificial Intelligence & Data Science, Kings Engineering College, from 26th July 2023 to 28nd July 2023.
3. Participated in the National Level Six Days Faculty Development and Training Programme on “Emerging Technologies for Next Generation Networks” organized by Department of Computer Science and Engineering, Kings Engineering College, from 17th July 2023 to 22nd July 2023.
4. Participated in the AICTE Sponsored 6 Days Short Term Training Programme on “ Data Analytics and Machine Learning”, Organized by Department of Computer Science & Engineering, Amal Jyothi College of Engineering from 3-8 August 2020.
5. Participated in the Leadership Talk with Shri Dipendra Manocha(Motivational Speaker) held on 27.06.2020 by MHRD’s Innovation Cell.
6. Participated in the Webinar on “Introduction to Data Science” organized by Department of

Master of Computer Applications Ganadipathy Tulsi's Jain Engineering College on 26.06.2020.

7. Participated in the Webinar on "Application of Data Analytics and Machine Learning in the field of Renewable Energy" organized by Department of Information Technology of Jeppiaar Institute of Technology on 5.06.2020.
8. Participated in the FDTP on "Online FDTP: Web Application Security" organized by Department of Information Technology of Jeppiaar Institute of Technology on 27.05.2020 and 28.5.2020.
9. Participated in the FDP on "Hands on FDP: Data Science using Python" organized by Department of Information Technology of Jeppiaar Institute of Technology on 20.05.2020.
10. Participated in Webinar on "ROBOTS IN COVID-19 & ROBOTICS AND IT'S FUTURE" on 26/5/2020, Mukkudal Robotics Institute.
11. Attended webinar on Robots in Covid-19 & Robotics and It's Future conducted by Department of Computer Science and Engineering & Institution's Innovation Council cell of SRIET on 21.05.2020.
12. Participated in the webinar on "Microservice Architecture" presented by Dr.K.Kanagasundaram, Lumina Networks, organized by Chennai Institute of Technology on 20.05.2020.
13. Participated in the webinar on "Block Chain Technology" presented by Mr.Joji Varghese, Print2Block Tech, organized by Chennai Institute of Technology on 20.05.2020.
14. Participated in the webinar on "Red Hat Enterprise Linux, Virtualization and Containers to start your Journey towards Cloud" presented by Mr.Pradeep Subramanian, Senior Cloud Solution Consultant, Mobia Technology Innovations organized by Sri Venkateswaraa College of Technology on 22.05.2020.
15. Participated in the Webinar " AI - From Zero to Hero " organized by Department of Computer Science and Engineering ,Gnanamani College of Technology ,Namakkal ,on 22.05.2020
16. Participated in the webinar on "DISRUPTIVE INFORMATION TECHNOLOGIES" presented by Mr.Yuvraj Muthu, Software Architect, PNC Bank, Founder of GoPolitix web technologies, Pittsburgh, USA organized by Department of Computer Science and Engineering on 20.05.2020.
17. Participated in the webinar on "Emerging Technologies Redefining Automotive Industry" presented by Mr.Bharath Rajaram, Technical Professional, Visteon Technical and Services

Centre organized by Sri Venkateshwara College of Technology on 21.05.2020.

18. Attended one day workshop on C and C++ held at Thanthai Periyar Government Institute of Technology, Vellore on 29 February 2020.
19. Attended Author Workshop on Book/Journal Publishing conducted by Elsevier Research Solutions in association with University library, Anna University at CEG campus on 24th sep 2014.
20. Attended 4 days IBM software Education workshop on Object oriented Analysis using UML with Essentials of Rational Software Architect from 7th to 10th May, 2012 at P.T.Lee CNCET.
21. Attended Seminar on “ Image Processing “ at P.T.Lee Chengalvaraya Naicker College of Engineering and Technology on 22nd March 2012.
22. Attended Faculty Development Training Programme on Cryptography and Network Security at Madras Institute of Technology, Anna University from 17th to 23rd December 2011.

CERTIFICATE OF APPRECIATION

1. Diploma in J2EE Programming at CSC Computer Education from 14th Feb 2007 to 14th June 2007 at Kanchipuram II unit and got overall grade A.
2. NPTEL course completed in “ Problem solving Through programming in C “ , Jan-Apr 2024.

Books/Chapters Published

-

Fund Received

-

Patent Applied/Published/Granted

-

CITATIONS

-

H-INDEX

RESEARCH GUIDANCE DETAILS		
Sl.No	University	Supervisor ID/Reference
1	Anna University, Chennai	-
2	Number of UG Scholars Guided	30
3	Number of PG Scholars Guided	-
4	Number of Ph.D. Scholars Guided	-
5	Number of Ph.D. Scholars Pursuing	-
PROFESSIONAL SOCIETY MEMBERSHIP DETAILS		
Sl.No	Professional Society Name	Member ID
1	The International Association of Engineers (IAENG)	359893