

RESUME

Name of the Staff : M.JAYALAKSHMI
Designation : Assistant Professor (Senior Grade)
E-mail Id : jayalacsmi@gmail.com
Mobile Number : +91978944954, +918248342006
Personal Details:
Age : 38 Years
Date of Birth : 30-06-1981
Sex & Marital Status : Female & Married
Citizenship : Indian

Educational Qualification

Educational Qualification	Branch	Name of the Institution/University	Yr. of Passing	% of Marks	Class/ Division
Ph.D	Computer Science and Engineering	Anna University, Chennai	Awaiting for Viva Voce during June 2020		
M.E	Computer Science and Engineering	Manonmaniam Sundaranar University, Tirunelveli, Tamilnadu	June 2007	77	First with Distinction
B.E	Computer Science and Engineering	Manonmaniam Sundaranar University, Tirunelveli, Tamilnadu	April 2003	72	First
D.CT	Computer Technology	Board of Technical Education Chennai.	April 1999	67	First

Professional Experience:

Total Years of Experience:16 Years

Designation	Institution/Organization	Period	Nature of Duties	Total Exp.	
				Y	M
Assistant Professor (Sr.Grade)	National Engineering College, Kovilpatti, TamilNadu, India	10.07.2013 to Till Date	Teaching and Research	6Y	8 M
Assistant Professor	National Engineering College, Kovilpatti, TamilNadu, India	1.11.2011 to 09.07.2013	Teaching and Administration	1Y	10M
Lecturer	National Engineering College, Kovilpatti, TamilNadu, India	13.06.2007 to 31.10.2011	Teaching and Administration	4Y	5M
Lecturer	National College of Engineering, Maruthakulam, TamilNadu, India	12.01.2005 to 1.06.2007	Teaching and Administration	2 Y	5M
Lecturer	Joe Suresh College of Engineering, Moondraippu, TamilNadu, India	06.07.2003 to 11.01.2005	Teaching and Administration	1Y	5M
Total Experience in Teaching				16Y	8M

Ph.D Title:

Design and Development of Context Aware Framework for Monitoring Sensor Cloud Environment

Funded Project Granted/Applied

S.No	Funding Agency Applied	Applied/Granted	Year
1	Tamilnadu State Council for Science and Technology	Applied-Rs.30,000/-	Jan-2014
2	New Generation Innovation and Entrepreneurship Development Centre	Applied-Rs.2,00,000/-	June 2018
3	Department of Science Technology (DST) - Fund for Improvement of S&T Infrastructure in Higher Educational Institutions (FIST)	Applied-Rs.37,00,000/-	July 2018

4	Department of Science Technology (DST)- Visiting Advanced Joint Research (VAJRA)	Applied- Rs.20,00,000/-	August 2018
5	New Generation Innovation and Entrepreneurship Development Centre	Applied and Reviewed- Rs.2,00,000/-	July 2019
6	IEEE Madras Section Student Project –“ Smart Fan”	Applied	October 2019

List of International Journals

S.No.	Name of the Authors	Title of Paper	Name of Journal	Page No & Volume	Year of publication	Impact Factor
1.	Ms.M.Jayalakshmi Mr.K.Maharajan	Instantaneous Emotion Detection using vocalizations	IOSR Journal of Engineering	Page No 11-14 Vol. 2.No.7	July 2012	0.45
2.	Mr.K.Maharajan Ms.M.Jayalakshmi Dr.B.Paramasivan	A study and design of encryption less protocol using quantum bits for secure communication in wireless network	International Journal of Networking and Communication Engineering	Page No.89-94, Vol.4, No.12.	August 2012	0.569
3.	Ms.M.Jayalakshmi Mr.Maharajan Dr.B.Paramasivan	A study on leakage detection and management of underground water lines using wireless sensor networks	International Journal of Wireless Communication	Page No.112-117, Vol.4, No.14.	September 2012	0.172
4.	Ms.M.Jayalakshmi Mr.K.Maharajan Dr.B.Paramasivan	A study on Water Leakage Detection in buried plastic pipes using Wireless Sensor Networks	International Journal of Scientific & Engineering Research	Volume 3, Issue 10.	October 2012	0.456
5	Ms.M.Jayalakshmi Dr. V.Gomathi	An enhanced underground pipeline water leakage monitoring and detection system using wireless sensor network	International Journal of Applied Engineering Research	Special Issue No 41, pp.30623-30628	September 2015	0.12
6	Ms.M.Jayalakshmi	Privacy Protected and Secured Wireless Sensor Network based E-Healthcare Monitoring System	International Journal of Advance Research in Science and Engineering	Volume No.7,Issue No1	January 2018	5.47
7	Ms.M.Jayalakshmi Dr. V.Gomathi	Pervasive health monitoring through video-based activity information integrated with sensor-cloud oriented context-aware decision support system	Multimedia Tools and Applications, Springer	DOI 10.1007/s11042-018-6716-8	October 2018	1.54
8	Ms.M.Jayalakshmi Dr. V.Gomathi	Sensor-Cloud based Precision Agriculture Approach for Intelligent Water Management	International Journal of Plant Production, Springer	Vol. 14, No.2, pp. 177-186	November 2019	0.964
9	Ms.M.Jayalakshmi et.al	Android PC Controller	International Journal of Recent Technology and Engineering	volume 8– Issue 5- Jan 2020	January 2020	Impact Factor: 5.92 (B)

10	Ms.M.Jayalakshmi et.al	Interview Feedback Analysis	International Journal of Recent Technology and Engineering	volume 8– Issue 6- March 2020	March 2020	Impact Factor: 5.92 (B)
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International/National Conference Publication

IEEE Digital Library			
S.No	Title	DOI	Year
1	An enhanced underground pipeline water leakage monitoring and detection system using wireless sensor networks	Pages: 1 - 6, DOI: 10.1109/ICSNS.2015.7292399	2015
2	Secure communication between wireless medical sensor networks and data servers using paillier and elgamal key cryptosystem	Pages: 1 - 6, DOI: 10.1109/ICCTIDE.2016.7725333	2016
3	Analysis of Precision Agriculture based on Random Forest Algorithm by using Sensor Networks	PP. 496-499, doi: 10.1109/ICICT48043.2020.9112407.	2020

IEEE Conferences

S.No	Title	Venue	Year
1	An Enhanced Wireless Multi-Sensor Monitoring System for Corporation Water Underground Leakage Detection	IEEE Region 10-HTC	2014
2	Underground water leakage monitoring and detection system using wireless sensor networks	ICSNS'15-SNS College of Engineering	2015
3	Secure Communication Between Wireless Medical Sensor Networks And Cloud Data Servers	ICCTIDE'16- National Engineering College	2016
4	Precision Agriculture for Irrigation System using Wireless Sensor Network	ICICT'2020 International Conference on Inventive Computation Technologies (ICICT), Coimbatore	2020

Non IEEE Conferences

1	Biometric Model for Computer Security	Sethu Institute of Technology	2007.
2	A Novel Design of a Security protocol based on TRIQUB-Tricryption and Quantum bits for wireless Networks	ICATRPD-2012- Kathir College of Engineering	2012
3	Privacy Protected and Secured Wireless Sensor Network based E-Healthcare Monitoring System	The Institution of Engineers, Mumbai	2018
4	Survey on Air quality monitoring system using WSN	ICASCT'18	2018

National

1	Study and Design of water leakage Detection and Management system using wireless sensor networks	Sri Venkateswara Institute of Science and Technology	2012
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Faculty Development Program/GIAN Course Attended

S.No	Programme	Venue	Duration	Date
1	Faculty Development Training Programme On "Computer Architecture	IIT, Madras	2 days	14-15 October 2006.
2	Faculty Development Training Programme On "IBM Community Edition Technologies	National Engineering College, Kovilpatti	2 days	25-26 October 2007
3	Training program on Information Storage & Management	EMC ² Bangalore	5 days	6-10 April 2009
4	CISCO Networking Academy Training Program for CISCO Instructor	Vellammal Engineering College, Chennai	5 days	22-26 November 2010
5	CISCO Networking Academy Training Program for CISCO Instructor	Amrita University, Coimbatore	9 days	22- 30 July 2013
6	GIAN Course on "Software Defined Network"	NITK, Surathkal	5days	26-30 March 2018

7	5 days Workshop on “ Data Analytics and Machine Learning”DaML’18	IIITDM,Chennai	5days	18-22 June 2018
8	2 days FDP on “Artificial Intelligence and Machine Learning”	IIT PALS	2 days	21-02-2020 & 22-02-2020
9	5 days FDP on “Artificial Intelligence”	MSME-TECHNOLOGY DEVELOPMENT CENTRE (PPDC), Government of India	5 days	27-04-2020 to 01-05-2020

Seminar/Workshop Attended

S.No	Programme	Venue	No of Days	Date
1	Seminar on Renewable Energy-energy of the future	National College of Engineering	1 day	20-08-2005
2	Ph. D Aspirant Meet	National Engineering College	2 days	10-11-2007
3	Seminar on Digital image processing	Mepco Schlenk Engineering College, Sivakasi	2 days	20-03-2008 to 21-03-2008
4	Workshop on Micro Teaching	National Engineering College	2 days	18-07-2008 to 19-07-2008
5	Workshop on Image Processing Techniques	Amrita School of Engineering, Amrita University, Coimbatore	3 days	05-01-2009 to 07-01-2009
6	DRDO Sponsored Seminar on Recent Research Trends and Issues in Public Key Cryptosystem and Digital Signatures	National Engineering College	2 days	20-02-2009 to 21-02-2009
7	Workshop on Mathematical Methods in Image Processing	PSG College of Technology, Coimbatore	2 days	23-10-2009 to 24-10-2009
8	Workshop on DB2 Fundamentals	National Engineering College	3 days	19-11-2009 to 21-11-2009
9	DRDO sponsored seminar on Emerging trends in Cloud Computing	Madurai Regional Centre, Anna University	2 days	12-09-2012 to 13-09-2012
10	Information Theory Workshop	IIT Bombay & Tata Institute of Fundamental Research, Mumbai	3 days	01-01-2016 to 03-01-2016
12	Attainment of Short term goals for the current academic year, set targets for next academic year and strategic planning to achieve the targets and goals	National Engineering College	1 day	01-06-2018
13	Attaining the Targets	National Engineering College	1 day	04-06-2018
14	IEEE mini POCO’18	IEEE Madras Section	1 day	15-09-2018
15	Industry Know How Programme on Web Development	Smackcoders Technologies Private Ltd	5 days	01-04-2019 to 05-04-2019
16	One Day Workshop on Practicing Moodle Class Room	National Engineering College	1 day	16-05-2019
17	New Product Development – Industry Perspective	National Engineering College	1 day	20-05-2019
18	One Day Workshop on Machine Learning	National Engineering College	1 day	30-05-2019
19	One day workshop on Deep Learning	National Engineering College	1 day	01-06-2019
20	Cloud Computing	IIT Kharagpur	8 Week	July’19- November ‘19

Seminar/Workshop Organized

S.No	Event Name	Sponsoring Agent	Date
1	Seminar on Pattern Recognition for Multimedia Content Analysis	DRDO, New Delhi	19 th and 20 th May 2008
2	Two day National Level Technical Symposium COMPONEC'10	TCS, Chennai	5 th and 6 th Feb 2008
3	One day Intra College Symposium HITECHFEST'10	-	2 nd November 2010
4	Two day National Level Technical Symposium COMPONEC'11	BSNL, Tuticorin	2 nd and 3 rd March 2011
5	One day Intra College Symposium HITECHFEST'12	-	4 th October 2012
6	Two day National Level Technical Symposium COMPONEC'13	TCS, Chennai	6 th and 7 th Feb 2013
7	Two day Faculty Development Program on HCI==Ubiquitous + Pervasive + Haptic technologies	IEEE Madras Section	30 th November and 1 st December 2012
8	Five days computer Training program for school teacher	-	03 rd to 7 th December 2012
9	One of the coordinator for CISCO Networking Academy MEET	CISCO	February 2013
10	DBT sponsored National Level Seminar on “Recent Advances and Emerging Trends in Life Science Research in BIOCLOUD: Bioinformatics using Cloud Computing Technologies”	DBT, New Delhi	20.09.2013 & 21.09.2013
11	National Level 2 days workshop on Android and its applications	IEEE Madras Section	29 th and 30 th January 2014
12	Two day national level workshop “ANIMATE”	IEEE Madras Section	24 th and 25 th September 2014
13	IEEE FDP on mobile application development using Android - A Next Generation Technique	IEEE Madras Section	14 th and 15 th November 2014
14	Two Day National level Workshop on IOT-SMART Objects	IEEE Madras Section	18 -19 January 2015
15	IEEE ITS Madras Chapter Installation	IEEE Madras Section	21 st November 2015
16	Non Teaching Staff Training Program	National Engineering College	14-18,December 2015
17	ProExpo'16 State Level School Students Project Exhibition.	IEEE ITS,USA	29 th and 30 th June 2016
18	Two National Level Workshop on ”Web Designing using Python”	IEEE Madras Section	21 st and 22 nd Feb 2018
19	Two day National Level Seminar on “ Machine Learning in Wireless Sensor Networks – Networking to Application Perspectives”	DST, New Delhi	16-17 November 2018
20	Two day National level workshop on “Machine Learning using Python”	IEEE Madras Section	31 st Jan & 01 st Feb 2020

Guest/Expert Lectures Delivered

S.No	Topic	Venue	Date
1	Guest Lecture- about CCNA	LAPC Polytechnic, Kovilpatti	August 2013
2	Guest Lecture- Anna University FDP, Mobile and Pervasive Computing	NEC, Kovilpatti	June 2014
3	Guest Lecture – Basic of Networking	Ettayapuram Govt Polytechnic Students	February 2016
4	Expert Member- Framing 11std Computer science Syllabus	DTED, Vanaramutti, Kovilpatti	August 2018
5	Anna University FDP –Design and Analysis of Algorithm	NEC, Kovilpatti	November 2018

6	DST Sponsored Seminar “Machine Learning in Wireless Sensor Networks”	NEC,Kovilpatti	November 2018
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Online Certification Course:

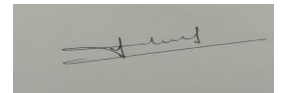
1. NPTEL Course on Database Management Systems – secured **Elite**
2. NPTEL Course on Computer Architecture - secured **Elite**
3. NPTEL Course on Cloud Computing- **Secured Elite +Silver and one of the Topper (5%)**
4. Great Learning Academy course “Python for Machine Learning”

Technical Achievement:

1. CISCO Certified CCNA Instructor
2. Secretary – IEEE ITS Madras Chapter from 2016

Administrative Work/Responsibilities

1. One of the Dept BOS Member from June 2014
2. Dept Association coordinator from 2007-2013
3. IEEE Computer Society Student Branch Chapter Coordinator from 2013 to till date
4. Initiated and coordinator for AJ & J Tech Solution, Bangalore Incubation Centre from 2017-2018
5. Initiated Sumtwo Incubation Centre, Madurai and acting as coordinator from 2015 to till date
6. Acted as convener for various college and dept level committees.

**JAYALAKSHMI M**