

**Dr.M. VASUMATHY**



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**OBJECTIVE**

To Achieve Excellence in the field of Computer Science Teaching and Research.

**ACADEMIC QUALIFICATION**

<b>NAME OF THE DEGREE</b>	<b>NAME OF THE INSTITUTION / UNIVERSITY</b>	<b>MONTH &amp; YEAR</b>
Ph.D.(Comp. Sci)	Manonmaniam Sundaranar University, Tirunelveli.	November 2016
M.C.A	Periyar University, Salem.	2006 – 2008
M.Phil. (comp.Sci)	Bharathidasan University, Trichy.	2002 - 2004
M.Sc.(comp. sci)	Madurai Kamaraj University College, Madurai.	1996 - 1998
B.Sc.(Maths)	Seethalakshmi Ramaswamy College for women, Trichy.	1993 - 1996

**ADDITIONAL MANDATORY QUALIFICATION**

\* Qualified **NATIONAL ELIGIBILITY TEST in Computer Science and Applications**(Rollno : **37870625**), Dec 2012 organized by UGC, NEW DELHI

\* Qualified **STATE ELIGIBILITY TEST in Computer Science and Applications**(Rollno : **03030342**), Oct 2012, Bharathiar University, Coimbatore, TamilNadu.

## TEACHING EXPERIENCE

TOTAL TEACHING EXPERIENCE : 19 YEARS

NAME OF THE INSTITUTION	CLASSES HANDLED	PERIOD
MaduraiKamaraj University CollegeMadurai.	M.C.A., M.Sc(CS), B.Sc(CS),B.C.A.	SEPTEMBER 2001 to SEPTEMBER 13 <sup>th</sup> , 2020.

Date of Joining in The American College : 14-09-2020.

## AREA OF INTEREST

Data Structures , Compiler Design, Theory of Computation, Data Mining, Data Science ,  
BlockChain Technology , Microsoft Azure Cloud.

## RESEARCH PAPER PUBLISHED IN JOURNALS

1. Research Paper published in International Journal of Computers & Technology titled "THE IMPACT OF KNOWLEDGE MANAGEMENT PRACTICES IN SOFTWARE ENGINEERING" VOL 3, NOV-DEC 2012 ISSN 2277-3061.
2. Research Paper published in International Journal of Scientific Research – Journal of Computer Engineering titled " Evaluation of Applying Knowledge Management System Architecture in Software Development Environment" VOL 10, ISSUE 3 – APRIL 2013 ISSN 2278 – 8227.
3. Research Paper published in International Journal of Management Research and Review titled " Application of knowledge Management in System Development Life Cycle" VOL 3, ISSUE 4 – APRIL 2013 ISSN 2249 – 7196.
4. Research Paper published in Int.J.Computer Technology & Applications, "A Study on Critical Success Factors and variables in implementing knowledge Management system in software Engineering",Vol5(6), DEC 2014 ISSN1978-1982.
5. Research Paper published in Int. J. of Advanced Research in Engineering And Management titled "A study on Impact of Knowledge Management Practices in IT companies of Tamil Nadu",VOL 02-ISSUE 04, 2016.
6. Paper published in International Journal of Computational Intelligence and Informatics titled, "Earlier Stage Identification of Glaucoma Disease using Segmentation Algorithm in IRISimage",VOL 8,ISSUE-1-JUNE 2018ISSN 2231-0258.

7. Paper published in Int. J. of Engineering and Advanced Technology titled, "Fleet Automation using IoT Logistics", VOL 8,ISSUE -6,Aug 2019,ISSN;2249-8958.
8. Paper published in Int. J. of Computer Sciences and Engineering titled, "Thrust Areas of Machine Learning and its current Scenario", VOL 7, ISSUE-10 , OCT 2019, E-ISSN 2347-2693.
9. Paper published in Int. J. of Engineering and Advanced Technology titled, "Real – Time Waste Controlling with ISB",VOL 9,ISSUE -2,DEC 2019,ISSN;2249-8958

**PARTICIPATION IN FACULTY DEVELOPMENT PROGRAMMES/ SHORT TERM TRAINING PROGRAMMES sponsored by DST/AICTE(ATAL)/NPTEL**

<b>S.No</b>	<b>PROGRAMME DETAILS</b>	<b>DURATION</b>	<b>INSTITUTION</b>	<b>SPONSORED BY</b>
<b>1</b>	Artificial Intelligence & Machine Learning	13Feb-19Feb	Mother Terasa Women University, Kodaikanal	DST
<b>2</b>	PYTHON 3.8.3 Language	JAN 2020	IIT BOMBAY SpokenTutorial, ,Funded by MHRD	MHRD
<b>3</b>	R Language	JAN 2020	IIT BOMBAY Spoken Tutorial,Funded by MHRD	MHRD
<b>4</b>	Block Chain Technology	8 weeks (Jan-Apr 2020)	NPTEL, SWAYAM,MHRD,India	NPTEL
<b>5</b>	Deep Learning techniques for Ambient Intelligence	02.11.2020-07.11.2020	R.M.D. Engineering College,Chennai	ATAL
<b>6</b>	Big Data Analytics	16.11.2020-21.11.2020	Saranathan College of Engineering,Trichy	STTP/AICTE
<b>7</b>	Block Chain	23.11.2020-27.11.2020	SKIT, Gramothan	ATAL
<b>8</b>	Data Sciences	07.12.2020-11.12.2020	Sri Krishna Institutions, Coimbatore	ATAL
<b>9</b>	Artificial Intelligence	04.01.2021-08.01.2021	PSNA College of Engg. & Tech., Dindugul	ATAL

**PARTICIPATION IN FACULTY DEVELOPMENT PROGRAMMES/ SHORT TERM TRAINING PROGRAMMES**

<b>S.No</b>	<b>PROGRAMME DETAILS</b>	<b>DURATION</b>	<b>INSTITUTION</b>
1.	Big Data Tools	18 <sup>th</sup> - 23 rd May 2020	St. Martin Engineering College,Secunderabad
2.	Block Chain Technology	July 20 -24 , 2020	G.B.Pant Institute of Technology, UttarKhand
3.	Block Chain Security & Smart Contracts	June 15 – 20, 2020	Siddhartha Engineering College, VijayaWada
4.	Software project Mgmt using AI	May 14 & 15,2020	THE AMERICAN COLLEGE, Madurai
5.	Deep Learning and its Applications, Theory to Practice	July 6 - 10,2020	SASI Institute of Tech, Andhra Pradesh
6.	Artificial Intelligence Applications through ML	July 14 – 18,2020	Balaji Institute of Science, Warangal
7.	DATA SCIENCE	July 20 - 26,2020	Panimalar Institute of Technology, Chennai
8.	Data Science Using Python	May 20 – 24 ,2020	Kongu Engineering College, Erode
9.	Transition from Industry 4.0 to 5.0	June 15- 20,2020	Bharathiyar University
10	Emerging Technologies of 4 <sup>th</sup> Industrial Revolution	Jun 29 – July 4,2020	SRM Institute of Science and Technology, Kattankulathur.
11	BIG DATA ANALYTICS	July 28 – 31,2020	SRM Institute of Science and Technology, Kattankulathur.
12	Challenges in Cyber Crime	July 6 – 12,2020	MGR University,Chennai
13	DATA SCIENCE	Aug 4- 10,2020	NOIDA Institute of Technology
14	Cloud Computing with Microsoft Azure	Jun 22- 29,2020	TATA CONSULTANCY SERVICES
15	Machinc Learning with Python	July 6 -10, 2020	Hyderabad Institute of Tech & Mgmt,Telangana
16	Data Science : Hands on Using R	Aug 6 - 11,2020	Sathyabama Institute of Technology.
17	Data Science using Python	Aug 3 – 16,2020	Sreyas Institute of Technology, Hyderabad
18	Cyber Security	June 26- 30,2020	Lakireddy Bali Reddy College of Engineering, AP
19	IOT APPLICATIONS	June 01- 05,2020	VIKAS GROUP OF INSTITUTIONS, AP

20	Digital Education	June 27-03,2020	Bishop Appasamy College of Arts&Science,Coimbatore
21	Recent Innovative Technologies	July29-Aug2 2020,	Thiruvalluvar University, Kallakurichi
22	Deep Drive into Emerging Technologies AI,Cloud,ML	June 22-26,2020	Vaageswari College of Engineering, Karimnagar
23	AI using PYTHON	Sep 14-19,2020	BrainOVision
24	Advanced Research Trends in AI,ImageProcessing	Sep 25-30,2020	Bipin Tripathi kumaon Institute of Tech, Gwarahat
25	AI Algorithms & Tools in real time problems	Oct 12 – 17, 2020	Bannari Amman Institute of Tech, Sathyamangalam
26	Data Science Technologies	Oct 19 – 24,2020	Paavai Engineering College,Namakkal
27	Deep learning for Computer Vision	02.11.2020-06.11.2020	SRM Institute of Science and Technology,Chennai

#### **BOOKS PUBLISHED**

- 1 ) FUNDAMENTALS OF DATA STRUCTURES.
- 2 ) INTRODUCTION TO SOFTWARE ENGINEERING.

#### **RESEARCH PAPERS PRESENTED IN SEMINARS AND CONFERENCES**

1. Participated and presented a paper on IT ENABLED SERVICES – EMERGING GLOBAL OPPORTUNITIES AND INDIA’S COMPETITIVENESS at PRIEST University, Thanjavur on Feb 7<sup>th</sup>, 2004.
2. Participated and presented a paper on MANAGING CALL CENTERS IN INDIA – OPPORTUNITIES AND CHALLENGES at Adaikala Matha Institute of Management, Thanjavur on Sep 28<sup>th</sup>, 2004.
3. Participated and presented a paper on MINING ACCESS PATTERNS IN COMMERCIAL WEBSITES at Bishop Heber College, Trichy on 9<sup>th</sup> Feb, 2008.
4. Participated and presented a paper on APPLICATION OF DATA MINING IN CUSTOMER RELATIONSHIP MANAGEMENT at Fatima College, Madurai on Feb 15<sup>th</sup> 2008.
5. Paper presented under the title “A Survey of Applying Knowledge Management System Architecture in Software Development Environment” at PSG college of technology on 25<sup>th</sup> of September 2009.
6. Participated in UGC sponsored National Level Workshop on “RESEARCH TOOLS AND TECHNIQUES IN COMPUTER APPLICATIONS” organized by Sri Govt. College for Women on 14<sup>th</sup> February, 2013.

7. Paper presented at the International conference on Emerging trends and challenges under the title "A Study on Intrusion detection and Prevention System for Knowledge Management" at NPR Arts and Science college on 28<sup>th</sup> Dec 2018.

8. Participated in National Seminar on "Artificial Intelligence and the Future of IT in Machine Learning Age" conducted by Sri Meenakshi Government Arts College for Women, Madurai on 1<sup>st</sup> April 2019.

9. Paper presented at the International Conference on Digital Transformation, "Industry 4.0 Data Security Challenges and Research Directions" conducted by The American College, Madurai on March 2020.

#### PARTICIPATION IN WEBINARS

1. Webinar on "Block Chain Beyond the Hype", Dhanalakshmi Srinivasan College of Engineering, Chennai on 11-05-2020.
2. Webinar on "IIOT, IT-OT Integration", Sri Eshwar College of Engineering, Chennai on 12-05-2020.
3. Webinar on "Data Science for Engineers", Sri Eshwar College of Engineering, Chennai on 13-05-2020.
4. Webinar on "Artificial Intelligence and its Applications", Shri Krishnaswamy College for Women, Chennai on 13-05-2020.
5. Webinar on "AI and Machine Learning", Sri Eshwar College of Engineering, Chennai on 14-05-2020.
6. Webinar on "Cyber Security", Sri Eshwar College of Engineering, Chennai on 15-05-2020.
7. Webinar on "Introduction to Devops", Sri Eshwar College of Engineering, Chennai on 17-05-2020.
8. Webinar on "Demystify the Cloud", Sri Eshwar College of Engineering, Chennai on 17-05-2020.
9. Webinar on "Block Chain Basics", Sri Eshwar College of Engineering, Chennai on 18-05-2020.
10. Webinar on "Industry 4.0", Sri Eshwar College of Engineering, Chennai on 19-05-2020.
11. Wired seminar on "Python", WinWays Informative Pvt, Ltd
12. Webinar on "Creative Technology & IOT", Kumaraguru college of Liberal Arts and Science, Coimbatore on 30-05-2020.
13. Webinar on "Cloud Virtualization", St. Joseph's Institute of Technology, Chennai on 12-06-2020.
14. Webinar on "Cyber Security Trends in 2020 and Beyond", The American College, Madurai on 13-06-2020.

15. Webminar on “Artificial Intelligence”,G.T.N. Arts College,Dindigul.
16. Participated in Virtual Conference on “World of ML and AI in Digital Era’, Sankara College of Science and Commerce on 29-05-2020 to 30-05-2020.
17. Three days Webminar on Recent Trends in ML and DL, Nehru Institute of Technology, in association with CSI from Aug 19- 21,2020
18. Webminar on “Microsoft Azure” by TASS Educational Trust,Sep 27,2020.