


## FACULTY PROFILE

### DEPARTMENT OF COMPUTER SCIENCE

#### I. PERSONAL DETAILS

<b>Name</b>	Mrs.N.KAVITHA	
<b>Designation</b>	Head & Assistant Professor	
<b>Qualification</b>	M.Sc.,M.Phil.,DGT.,	
<b>Area of Specialization</b>	Network Security	
<b>Mobile No.</b>	9047629391	
<b>e-Mail ID</b>	Institutional: <a href="mailto:n.kavitha-cs@emgywomenscollege.ac.in">n.kavitha-cs@emgywomenscollege.ac.in</a>	
	Personal: <a href="mailto:nmkavi1979@gmail.com">nmkavi1979@gmail.com</a>	

#### II. EDUCATIONAL QUALIFICATION

S.NO	NAME OF THE DEGREE	NAME OF THE INSTITUTION / UNIVERSITY	YEAR OF PASSING
1.	Ph.D	Mother Teresa Women's University, Kodaikanal	Pursing
2.	M.Phil	Bharathidasan University, Tiruchirapalli	2003
3.	M.Sc	Bharathidasan University, Tiruchirapalli	2001
4.	B.Sc	Bharathidasan University, Tiruchirapalli	1999

### III. TEACHING EXPERIENCE

S.NO	PREVIOUS TEACHING EXPERIENCE WITH NAME OF THE INSTITUTION	From-To	YEAR OF EXPERIENCE
1	EMG Yadava Women's College, Madurai	2002-Till Date	19 years

### IV. RESEARCH ACCOMPLISHMENTS

ORIENTATION/REFRESHER/MOOCs/FDP/ TRAINING PROGRAMMES ATTENDED			
S.NO	DATE	NAME OF THE COURSE/PROGRAMME	NAME OF THE INSTITUTION/UNIVERSITY
1.	07.01.2010	ORACLE Training Programme	NIIT, Madurai
2.	27. 12.2010	Tips for preparation of Research Project & Tapping funds from funding Agencies Organized by Research & Development cell	E.M.G.Yadava Women's College, Madurai
3.	06.01.2011	Cloud Computing	S.Vellaichamy Nadar College, Madurai
4.	08.02.2016	Project Guidance-Development, Deployment and Maintenance	S.Vellaichamy Nadar College, Madurai
5.	02.08.2017 & 03.08.2017	Python Programming	K.L.N.College of Engineering, Sivagangai
6.	05.09.2017	Quality Higher Education in Changing Times	The American College, Madurai
7.	11.09.2017	Personality Development	Solamalai College of Engineering, Madurai
8.	25.09.2017	e-Learning and MOOCs in Higher Education and New Roles of Teachers	E.M.G Yadava Women's College, Madurai
9.	25.01.2018 To 28.01.2018	Academic Leadership	Crescent College of Education for Women, Madurai
10	13.02.2020 To 19.02.2020	Artificial Intelligence & Machine Learning	Mother Teresa Women's University, kodaikanal
11	10.05.2020	Artificial Intelligence in 4 <sup>th</sup> Dimensional Approach	Vinayaka Missions Research Foundation
12	20.05.2020	Optimization of Time	S.I.V.E.T College
13	22.05.2020 To 26.05.2020	Artificial Intelligence	PVKK Institute of Technology

14	22.05.2020 To 26.05.2020	Artificial Intelligence	Thirumala Engineering College
15	28.05.2020 & 29.05.2020	Integrating SWAYAM MOOCs & Educational APPS in Teaching	Sirimathi Devkunavr Nanalal Bilatt Vaishnav College for Women
16	23.09.2021 To 25.09.2021	Technologies for Effective Teaching , Learning and Evaluation	Ayya Nadar Janaki Ammal College, Sivakasi
17	13.12.2021 To 17.12.2021	Recent Innovative Trends in Biomedical Engineering and Technology	Mepco Schlenk Engineering College, Sivakasi
18	27.01.2022	Teaching and Learning Process Through E-Resources for College Teachers	Vivekananda College

<b>NATIONAL/INTERNATIONAL SEMINAR, WEBINAR, WORKSHOP, CONFERENCE &amp; SYMPOSIUM ATTENDED</b>				
<b>S.NO</b>	<b>DATE</b>	<b>TITLE</b>	<b>EVENT NAME</b>	<b>INSTITUTION NAME</b>
1.	15.02.2008	Recent Trends in Information Technology	National Conference	Fatima College, Madurai.
2.	15.07.2010	Cloud Computing	State Level Workshop	M.A.M College of Engineering, Trichy
3.	28.08.2010	Data mining Research using Open Source Tools	State Level Workshop	Nadar Saraswathi College of Arts & Science, Theni
4.	06.01.2011	Cloud Computing	National Level Seminar	S.Vellaichamy Nadar College , Nagamalai, Madurai
5.	19.08.2011	Career Education Conclave IBM	Seminar	GRT Residency
6.	04.09.2013	Free and Open source software	Seminar	Lady Doak College
7.	25.09.2017	e-Learning and MOOCs in Higher Education and New Roles of Teachers	Seminar	E.M.G.Yadava Womens College, Madurai
8.	23.07.2018	Tribal Women Empowerment via Emerging Technologies : issues and Challenges	National Conference	Mother Teresa Women's University Research & Extension Centre, Keelakuilkudi, Madurai
9.	31.07.2018	IOT and PYTHON	International Workshop	Sourashtra College, Madurai
10.	05.08.2018	Artificial Intelligence in Education	International Workshop	Mother Teresa Women's university, Madurai
11.	05.01.2019	Emerging Trends In IOT & Machine Learning	International Conference	Mangayarkarasi College of Arts & Science for Women, Madurai
12.	11.01.2019	Advanced Computing Technologies	International Conference	Madurai Sivakasi Nadars Pioneer Meenakshi Women's College, Madurai
13.	27.07.2019	State Level Workshop on Reforms In Curriculum Design & Evaluation Based On OBE	Seminar	The Standard Fireworks Rajaratnam College For Women (Autonomous), Sivakasi

14	08.08.2019	Insight of Software Development and Organization	International Seminar	Mangayarkarasi College of Arts and Science for Women, Madurai
15	27.08.2019 & 28.08.2019	Big Data Mining- Potential Research Aspects	International Workshop	Mother Teresa Women's University, Kodaikanal
16	13.09.2019 & 14.09.2019	Research Methodology	Workshop	Mother Teresa Women's University, Kodaikanal
17	03.10.2019 & 04.10.2019	Information Security	National Workshop	Mother Teresa Women's University, Kodaikanal
18	25.11.2019	Big Data Analytic-s and Application	International Seminar	Mother Teresa Women's University, Kodaikanal
19	03.12.2019 & 04.12.2019	Machine Learning	International Workshop	Mother Teresa Women's University, Kodaikanal
20	18.12.2019	Data Science and Intelligent Systems	International Seminar	Mother Teresa Women's University, Kodaikanal
21	23.01.2020	Algorithmic Thinking and Problem Solving	International Workshop	Mannar Thirumalai Naicker College, Pasumalai, Madurai
22	01.06.20 To 05.06.2020	Usage of ICT Tools for Effective Learning and Evaluation	Webinar	St. Joseph's Degree & PG college
23	08.06.2020	Future of Examinations: Bloom's Taxonomy and Multiple Assessment Tools	Webinar	G.T.N. Arts College, Dindugal
24	07.11.2020	Multiple Intelligence and Ways of Teaching	Webinar	Sree Narayana Guru College
25	16.11.2020 To 01.12.2020	Cutting Edge Trends in Deep Learning Approaches	Webinar	Kongu Engineering College
26	04.12.2020	Enhancing E – Content For Teaching & Learning	Webinar	E.M.G.Yadava Women's College, Madurai
27	18.12.2020	Research Proposal & Funding Agencies	Webinar	Seshadripuram Academy of Business Studies
28	25.01.2021 To 27.01.2021	DigiTools for Enhancing Teaching and Learning	Webinar	E.M.G.Yadava Women's College, Madurai
29	13.07.2020 To 19.07.2020	7 days Crash course on Paper-II Computer Science NET/SET	Webinar	Patrician College of Arts & Science
30	21.07.2020 To 25.07.2020	NET/SET online Coaching for Paper-I	Webinar	St. Joseph's College
31	01.12.2020 & 02.12.2020	Virtual International Conference on Implementation of NEP 2020 in Higher Education: Opportunities and Challenges	Webinar	Kristu Jayanti College

32	08.02.2021 To 12.02.2021	Online Work shop on Data Analytics with NLP for Healthcare Applications	Webinar	Mepco Schlenk Engineering College, Sivakasi
33	19.01.2022	Fundamentals of IOT	International Virtual Webinar	Amman College of Arts & Science

**PAPER PRESENTED IN NATIONAL/INTERNATIONAL SEMINAR, WEBINAR, CONFERENCE & SYMPOSIUM**

S.NO	DATE	TITLE	EVENT NAME	INSTITUTION NAME
1.	15.02.2018	Different Types Of Applications In Wireless Sensor Network: An Overview	International Conference	Mangayarkarasi College of Arts & Science for Women
2.	27.10.2018	An Overview Of Security Algorithms In WSN Related to Health Monitoring System	International Conference	Adaikalamatha Institute of Management and Research ,Tanjore
3.	22.03.2019 & 23.03.2019	A Review On WSN Based Privacy & Security of Health Monitoring System	ICATCT '19	Vivekananda College of Arts and Sciences for Women, Elayampalayam, Namakkal
4..	6.09.2019 & 07.09.2019	Machine Learning Approach for Malicious Node Identification in Wireless Sensor Network	International Conference	J.J.College of Arts and Science
5..	30.01.2020	Supervised Machine Learning Classifier for the Detection of Malicious Nodes in WSN	International conference	Mangayarkarasi college of Arts & Science for Women
6.	10.02.2021 & 11.02.2021	Evaluation on an Interactive Training and Placement Systems	National Seminar	E.M.G Yadava Women's College, Madurai

**NATIONAL/INTERNATIONAL SEMINAR, WEBINAR,WORKSHOP, CONFERENCE & SYMPOSIUM ORGANISED**

S.NO	DATE	TITLE	EVENT NAME
1.	24.09.2004	Mobile Computing	DST Sponsored National Seminar
2.	22.12.2005 & 23.12.2005	Mobile Computing and Data Mining	UGC Sponsored National Level Conference
3.	09.01.2007	Introduction to Microsoft certificate course	Seminar
4.	08.02.2007	Data Mining	Seminar
5.	15.02.2007	NEXUS 2K7	Intercollegiate meet
6.	24.12.2007	Software Testing	Seminar
7.	05.01.2008	Networking	Seminar

8.	10.01.2008	Software development and Software integration	Seminar
9.	07.02.2008	ENIAC Association	Intra collegiate meet
10.	03.03.2008	Nexus-2K8	Intra collegiate meet
11.	24.12.2008	Software Testing Awareness	Seminar
12.	07.01.2009	PHP	Seminar
13.	19.02.2010	Data Mining and Web Mining	Seminar
14.	15.02.2011	Emerging Trends in Information Technology	National Level Workshop
15.	02-02-2012	Nexus-2K12	Intercollegiate meet
16.	25.10.2012	Mobile Computing	Seminar
17.	11.01.2013	Image Processing	Guest Lecture
18.	22-02-2013	Nexus-2K13	Intercollegiate meet
19.	13-08-2013	How to prepare for Interview	Seminar
20.	24.09.2013	Nexus-2K13	Intercollegiate meet
21.	18.12.2013	Image Processing	Guest Lecture
22.	02.01.2014	Current Trends in IT Companies	Seminar
23.	22.01.2014	Cyber Learning	Seminar
24.	17.07.2014	Recent Trends in IT field	Seminar
25.	23.09.2014	Fuzzy Network and its Applications	Guest Lecture
26.	26.09.2014	Android Demo	Seminar
27.	23.12.2014	Research Issues in Computer Science	Research & Development Programme
28.	13.07.2015	Awareness Session about trend of IT Industry	Seminar
29.	14.07.2015	Online Certificate course & Job Opportunities in Computer Field	Seminar
30.	27.08.2015	Innovative Digital Image Processing And Iconic Open Source Technology	National level Seminar
31.	17.12.2015	Website Design	Seminar
32.	23.06.2016	Industry Penetration on Linux	Seminar
33.	13.07.2016	Awareness about Web Technology	Seminar
34.	26.09.2016	Algorithms in Web Structure Mining	Seminar

35.	27.06.2016	Text Mining	Seminar
36.	21.03.2017	Mobile Technology	Seminar
37.	03.07.2017	Introduction to Python Language	Seminar
38.	14.07.2017	Android	Seminar
39.	11.08.2017	Android App Development	Seminar
40.	21.09.2017	Internet of Things(IOT)	Seminar
41.	26.09.2017	Big Data Analytic-s and Hadoop ETL	Seminar
42.	27.09.2017	A Practical Perspective on Software Engineering	Seminar
43.	11.12.2017	PHP	Seminar
44.	15.12.2017	Logical Thinking	Seminar
45.	20.12.2017	Animation	Seminar
46.	10.01.2018	Internet of Everything	Seminar
47.	05.02.2018	Personality Skills and Interview tips	Seminar
48.	14.02.2018	Emerging Trends in IT Industry and Job Opportunity	Seminar
49.	14.02.2018	Wireless Sensor Network & Internet of Things	Research & Development Programme
50.	02.03.2018	Emerging Technologies in Computer Communication Networks	Guest Lecture
51.	06.03.2018	Internet of Things (IOT)	Guest Lecture
52.	07.03.2018	Software Re Engineering	Guest Lecture
53.	04.07.2018	Web Design & Development	Seminar
54.	06.07.2018	Campus to Corporate	Seminar
55.	30.08.2018	Future of Python	Seminar
56.	07.12.2018	Python on ML	Seminar
57.	19.12.2018	Cyber Security	Guest Lecture
58.	27.12.2018	Wireless Sensor Networks	International Workshop
59.	15.02.2019	Digital Marketing	Seminar
60.	05.07.2019	Basic Concepts of Python	Seminar
61.	12.07.2019	Penetration of Linux –Open Source	Seminar
62.	30.07.2019	Machine Learning	Guest Lecture
63.	26.09.2019	Satellite Image Processing	Guest Lecture

64.	27.09.2019	Networking Attacks and it's Countermeasures	Guest Lecture
65.	20.12.2019	Cyber Security and Python	Seminar
66.	14.02.2020	Python Programming	Seminar
67.	08.06.2020-	Data Mining and Big Data	E-Quiz
68.	03.07.2020 To 05.07.2020	Network Security	E-Quiz
69.	06.07.2020 To 10.07.2020	PYTHON	Certificate Course
70.	27.07.2020 To 31.07.2020	DATA SCIENCE	Certificate Course
71.	03.08.2020 To 07.08.2020	PROGRAMMING WITH C++”	Certificate Course
72.	15.07.2020	PYTHON - An Unique Sward to Win over Job War	Webinar
73.	17.08.2020	Mobile App Development	Webinar
74.	25.08.2021	Data Science	Webinar

**ARTICLES PUBLISHED IN JOURNALS / MAGAZINES**

S.N O	TITLE with DOI	NAME OF THE JOURNAL/MAGAZINE	NATIONAL/ INTERNATIONAL	IMPACT FACTOR	SCOPUS	h- index	VOLUME , ISSUE, MONTH & YEAR
1.	Different Types of Applications In Wireless Sensor Network: An Overview	SHANLAX International Journal	National	1.54			February 2018
2.	An Overview of Security Algorithms In WSN Related to Health Monitoring System	International journal on Scientific Research in Computer Science Applications and Management Studies	International	0.654			vol.7 issue5 ISSN 2319-1953 September 2018
3.	A Review on WSN Based Privacy & Security of Health Monitoring System	International Journal of Emerging Technologies and Innovative Research	International	7.87			March 2019, Volume 6, Issue 3
4.	Supervised Machine Learning Classifier for	Journal of Analysis and Computation(JAC)	International	1.75			vol.13 issue1



	the Detection of Malicious Nodes in WSN						ISSN 0973-2861 January 2020
5.	Application of Big Data Analytic-s , Machine Learning and Deep Learning in Health Care – a literature Review	International Journal of Research and Analytical Reviews	International	5.75			vol.7 issue4, E-ISSN 2348-1269,P-ISSN 2349-5138

**PUBLICATION OF BOOK/ BOOK CHAPTERS / MONOGRAPH / PAPERS PUBLISHED IN CONFERENCE/ PROCEEDINGS**

S.N O	TITLE OF THE BOOK/ CHAPTERS/ PROCEEDINGS	TITLE OF THE PAPER	NATIONAL/ INTERNATIONAL	PUBLISHER DETAILS	ISBN/ISSN OF THE PROCEEDINGS	YEAR
1.	International conference on Data Analytic-s & Visualization	Different Types Of Applications In Wireless Sensor Network: An Overview	International	Mangayarkarasi College of arts & Science for Women, Madurai	2321-788X	2018
2.	IJSRCSAM -2018	An Overview Of Security Algorithms In WSN Related to Health Monitoring System	International	Adaikalamatha Institute of Management and Research	2319-1953	2018
3.	ICATCT '19	A Review On WSN Based Privacy & Security of Health Monitoring System	International	Vivekanandha College of Arts and Sciences for Women, Elayampalayam, Namakkal	2349-5162	2019
4.	Contemporary Trends in Computer Science(CTCS-2K19)	Machine Learning Approach For Malicious Node Identification in Wireless Sensor Network	International	J.J. College of Arts and Science, Pudukkottai	978-81-2343-908-2	2019
5.	International conference on Artificial Intelligence and Machine learning	Supervised Machine Learning Classifier for the Detection of Malicious Nodes in WSN	International	Mangayarkarasi college of Arts & Science for Women	0973-2861	2020
6.	New Education Policy The Urge for Transformation in Higher Education	Evaluation on an Interactive Training and Placement System	National	E.M.G Yadava Women's College, Madurai.	978-81-950317-8-8	2021

**LEADERSHIP/TEAM WORKING SKILLS**

S.NO	CELL/CLUB/COMMITTEE/ASSOCIATION	POSITIONS HELD (NODAL, COORDINATOR/ASSISTANT COORDINATOR / MEMBER)	DURATION MONTH/YEAR
1.	Staff Club	Member	2011-2013
2.	Prospectus Committee	Member	2012-2013
3.	Library Advisory Committee	Member	2013-2020
4.	IQAC- Student Support and Progression	Member	2015-2020

**V. INNOVATIVE TEACHING SKILLS****TEACHING & LEARNING**

S.NO	ICT ENABLED TEACHING METHODS
1.	Projector, White board, Star board, Google Classroom ,Google Meet, Zoom

**e- CONTENT DEVELOPED**

S.NO	DATE	TITLE	SOCIAL NETWORK (YouTube, Slideshare, Blog, MOOCs, Others)	LINK
1.	05.02.2022	Arrays, String and Vector	Slide share	<a href="https://www.slideshare.net/Kavitha713564/arraysstring-and-vector">https://www.slideshare.net/Kavitha713564/arraysstring-and-vector</a>
2.	05.02.2022	Input Output Files in Java	Slide share	<a href="https://www.slideshare.net/Kavitha713564/input-output-files-in-java">https://www.slideshare.net/Kavitha713564/input-output-files-in-java</a>
3.	05.02.2022	Multi threading in Java	Slide share	<a href="https://www.slideshare.net/Kavitha713564/multithreading-in-java-251114765">https://www.slideshare.net/Kavitha713564/multithreading-in-java-251114765</a>
4.	05.02.2022	Basic in java	Slide share	<a href="https://www.slideshare.net/Kavitha713564/basic-of-java-251114771">https://www.slideshare.net/Kavitha713564/basic-of-java-251114771</a>

5.	04.03.2022	Applet in Java	Slide share	<a href="https://www.slideshare.net/Kavitha713564/applet-in-java-new">https://www.slideshare.net/Kavitha713564/applet-in-java-new</a>
6.	04.03.2022	Methods in Java	Slide share	<a href="https://www.slideshare.net/Kavitha713564/methods-in-java-251285488">https://www.slideshare.net/Kavitha713564/methods-in-java-251285488</a>
7.	04.03.2022	Multi threading in Java	Slide share	<a href="https://www.slideshare.net/Kavitha713564/multithreading-in-java-251285495">https://www.slideshare.net/Kavitha713564/multithreading-in-java-251285495</a>
8.	04.03.2022	Exception-handling	Slide share	<a href="https://www.slideshare.net/Kavitha713564/exception-handling-in-java-251285507">https://www.slideshare.net/Kavitha713564/exception-handling-in-java-251285507</a>
9.	04.03.2022	Interface in Java	Slide share	<a href="https://www.slideshare.net/Kavitha713564/interface-in-java-251285515">https://www.slideshare.net/Kavitha713564/interface-in-java-251285515</a>
10.	04.03.2022	Packages in Java	Slide share	<a href="https://www.slideshare.net/Kavitha713564/packages-in-java-251285530">https://www.slideshare.net/Kavitha713564/packages-in-java-251285530</a>

#### **VI. COLLABORATIVE TEACHING**

<b>COLLABORATIVE ACTIVITIES IN OTHER INSTITUTION – EXTENSION/ CONSULTANCY</b>			
<b>S.NO</b>	<b>DATE</b>	<b>TITLE</b>	<b>NAME OF THE INSTITUTE/CORPORATE/ ADOPTED VILLAGE</b>
1.	22.03.2011	Orientation program on Computer	E.M.Gopalakrishana High School, Sirudhoor
2.	20.01.2014	Shortcut Keys in MS-Office	PSYCHE Matriculation School, Madurai
2.	11.03.2016	MS Office	PSYCHE Matriculation School, Madurai

#### **VII. ADDITIONAL DEGREE/DIPLOMA ACQUIRED**

<b>S.NO</b>	<b>NAME OF THE DEGREE</b>	<b>NAME OF THE INSTITUTION / UNIVERSITY</b>	<b>YEAR OF PASSING</b>
1.	DGT	Madurai Kamaraj University	2003

**VIII. COMPUTER SKILLS**

<b>COMPUTER LANGUAGE/TECHNICAL SKILLS</b>	
<b>S.NO</b>	<b>COMPUTER LANGUAGE/TECHNICAL SKILLS</b>
1.	C,C++,JAVA,PYTHON

**IX. LANGUAGE PROFICIENCY**

<b>S.NO</b>	<b>LANGUAGE</b>	<b>SPEAK</b>	<b>READ</b>	<b>WRITE</b>
1.	English	✓	✓	✓
2.	Tamil	✓	✓	✓

**X. OTHER SKILLS**

<b>S.NO</b>	<b>SKILLS</b>
1.	Type Writing English - Junior
2.	Java2