


FACULTY PROFILE

DEPARTMENT OF INFORMATION TECHNOLOGY

I. PERSONAL DETAILS

Name	Mrs.S.SUMATHI	
Designation	Assistant Professor	
Qualification	M.S(IT&M).,M.Sc(CS).,M.Phil.(CS).,DGT.,	
Area of Specialization	OOPS, Java, Data Mining, Big Data Analytics, Cloud Computing and IoT.	
Mobile No.	95666 99202	
e-Mail ID	Institutional: s.sumathi-it@emgywomenscollege.ac.in	
	Personal: sumathi.emg@gmail.com	

II. EDUCATIONAL QUALIFICATION

S.NO	NAME OF THE DEGREE/DIPLOMA	DISCIPLINE	NAME OF THE INSTITUTION / UNIVERSITY	YEAR OF PASSING
1.	UG	Computer Science	Mangayarkarasi Arts and Science College for Women, Madurai.	2000
2.	PG M.S(IT&M)	Information Technology & Management	Yadava College (Men), Madurai.	2002
3.	M.Phil.	Computer Science	Madurai Kamaraj University, DDE, Madurai.	2007
4.	PG (M.Sc)	Computer Science	Madurai Kamaraj University, DDE, Madurai.	2018
5.	DGT	Gandhian Thoughts	Madurai Kamaraj University, Madurai.	2013

III. TEACHING EXPERIENCE

S.NO	TEACHING EXPERIENCE WITH NAME OF THE INSTITUTION	FROM – TO	YEAR OF EXPERIENCE
1.	E.M.G.Yadava Women's College, Madurai – 14.	01.02.2008 -Till Date	14 Years and 2 months

IV. RESEARCH ACCOMPLISHMENTS

ORIENTATION/REFRESHER/MOOCs/FDP/ TRAINING PROGRAMMES ATTENDED			
S.NO	DATE	NAME OF THE COURSE/PROGRAMME	NAME OF THE INSTITUTION/UNIVERSITY
1.	15.06.2020	New Approach to Curricular Design & Simplified path way to Outcome Based Education	IQAC, E.M.G.Yadava Women's College, Madurai – 14.
2.	01.07.2020 To 03.07.2020	E-Content Development and Deployment – TECH Tricks for Teachers	Department of Computer Science, Thassim Beevi Abdul Kader College for Women, Kilakarai, Ramanathapuram.
3.	22.07.2020	Plagiarism in Research and Publications and How to Prevent it	PG & Research Department of Commerce, Cauvery College for Women (Autonomous), Thiruchirappalli, Tamil Nadu.
4.	27.07.2020 To 31.07.2020	Online Short-Term Training Program (STTP) on "Machine Learning"	Department of Information Technology, St. Joseph's Institute of Technology, Chennai – 600 119, in association with Computer Society of India (CSI), Kancheepuram chapter.
5	25.01.2021 To 27.01.2021	Digital Tools for Enhancing Teaching and Learning	Internal Quality Assurance Cell (IQAC), E.M.G.Yadava Women's College, Madurai-14.

NATIONAL/INTERNATIONAL SEMINAR, WEBINAR, WORKSHOP, CONFERENCE & SYMPOSIUM ATTENDED				
S.NO	DATE	TITLE	EVENT NAME	INSTITUTION NAME
1.	06.06.2020	Art of Writing Research Article	National Level Webinar	Department of Commerce, E.M.G.Yadava Women's College, Madurai – 14.
2.	11.06.2020	Trending In Tech	International Webinar	Department of Computer Science, Thassim Beevi Abdul Kader College for Women, Kilakarai, Ramanathapuram.

3.	17.06.2020	Block chain Technology	International Webinar	Department of Computer Science, Jyoti Nivas College Autonomous, Bangalore.
4.	19.06.2020 & 20.06.2020	Machine Learning Techniques for Image Processing Approaches	National Level	Department of Computer Science, Mother Teresa Women's University, Kodaikanal.
5.	26.06.2020	Emerging Technologies in Computer Network Applications: Prospects and Challenges	National Level	VirudhuNagar Hindu Nadar's Senthikumara Nadar College (Autonomous), Dayananda Sagar Group of Institutions and PEARL-A Foundation for Educational Excellence, Bangaluru.
6.	27.06.2020	Art of Writing Research Article and Journal Selection	National Level	Department of Information Technology, Madurai Sivakasi Nadar Pioneer Meenakshi Women's College, Poovanthi.
7.	27.06.2020	Exploring Python Libraries for Exploratory Data Analysis and Data processing	International Webinar	Department of Computer Science, Thassim Beevi Abdul Kader College for Women, Kilakarai, Ramanathapuram.
8.	28.06.2020	Microsoft Office 365 Education	International Webinar	PG & Research Department of Computer Science, Edayathangudi, G.S.Pillay Arts & Science College, Nagapattinam – 611102.
9.	30.06.2020	Enterprise Resource Planning	National Level	Department of Computer Science, Thiagarajar College, Madurai.
10.	09.07.2020 To 11.07.2020	Comp tech	National Level	Department of Computer Science, A.P.C.Mahalaxmi College for Women, Thouthukudi – 628002.
11.	12.07.2020	Effective use of MS WORD and MS POWERPOINT in Academics and Project	National Level	Talha Ask, An Online Education Platform.
12.	13.07.2020 & 14.07.2020	Conceptual View of Machine Learning & Deep Learning	National Level	Department of Computer Science, Directorate of Distance Education, Madurai Kamaraj University, Madurai-21.
13.	19.07.2020	Effective Use of MS EXCEL in Academics and Project	National Level	Talha Ask, An Online Education Platform.
14.	20.07.2020	Introduction to Data Visualization in Python	International Webinar	Department of Information Technology, St. Joseph's Institute of Technology, Chennai – 600 119.
15.	30.07.2020	Information Security	National Level	PG & Research Department of Computer Science, Edayathangudi, G.S.Pillay Arts & Science College, Nagapattinam – 611102.
16.	08.08.2020 &	Professional Development Training on Business Excel	National Level	Department of Commerce, E.M.G.Yadava Women's College,

	09.08.2020			Madurai in associate with Elysium Info Technologies, Madurai.
17.	08.08.2020	How to Protect Your Ideas - Patent?	National Level	Department of Information Technology, Madurai Sivakasi Nadars Pioneer Meenakshi Women's College, Poovanthi.
18.	04.09.2020 To 06.09.2020	Study of Dimension Reduction Techniques in Data Mining using Python Code	International Virtual Conference on Recent Trends & Innovations in Science, Engineering and Social Sciences (IVCRTISESS-2020)	Senthi Research Advocacy Forum, V.H.N.Senthikumara Nadar College (Autonomous), Virudhunagar and PEARL - A Foundation for Educational Excellence, Bengaluru.
19.	23.09.2020 To 25.09.2020	Study of Dimension Reduction Techniques to improve Data Quality on Big data	International E-Conference on Recent Developments in Science, Engineering and Information Technology, ICRDSEIT – 2020.	Department of Computer Science, Directorate of Distance Education, Madurai Kamaraj University, Madurai-21.
20.	06.01.2021	Revised Accreditation Framework of NAAC	National Webinar	IQAC, E.M.G.Yadava Women's College, Madurai – 14.
21.	29.01.2021	Intellectual Property Rights	National Webinar	IQAC and Research & Development Cell, E.M.G.Yadava Women's College, Madurai – 14.
22.	10.02.2021 & 11.02.2021	Study on E-Learning Tools to Enhance Teaching and Learning	National Webinar	Proceedings of the NAAC Sponsored on New Education Policy: The Urge For Transformation in Higher Education, Internal Quality Assurance Cell, E.M.G.Yadava Women's College, Madurai – 14.
23.	28.01.2022	IT Portfolio Management Using Jira	International Webinar	Department of Information Technology, Madurai Sivakasi Nadars Pioneer Meenakshi Women's College, Poovanthi & Department of Computer Application, Idhaya College for Women, Sarugani

ARTICLES PUBLISHED IN JOURNALS / MAGAZINES

S.NO	TITLE WITH (DOI)	NAME OF THE JOURNAL/MAGAZINE	NATIONAL/ INTERNATIONAL	IMPACT FACTOR	SCOPUS	CITATION INDEX	h-index	VOLUME, ISSUE, MONTH & YEAR
1.	Impact of Big Data Analytics on Business	The International Journal of Analytical and Experimental Model Analysis (IJAEMA)	International	6.3	ISSN No. 0886-9367	Page No. 653-659	-	Vol. XI Issue VIII August-2019
2	Study on E-Learning Tools to Enhance Teaching and Learning	Proceedings of the NAAC Sponsored on New Education Policy: The Urge For Transformation in Higher Education	National	-	ISBN: 978-81-950317-8-8	173-177	-	Feb-2021

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

S.NO	TITLE OF THE BOOK / CHAPTERS / PROCEEDINGS	TITLE OF THE PAPER	NATIONAL/ INTERNATIONAL	PUBLISHER DETAILS	ISBN/ISSN OF THE PROCEEDINGS	YEAR
1	Entrepreneurship in Higher Education	Role of IT Education In Entrepreneur Development	National	PCF Publication	ISBN: 978-93-92560-13-2 Pg.No: 88-93	January 2022

LEADERSHIP/TEAM WORKING SKILLS

S.NO	CELL/CLUB/COMMITTEE/ASSOCIATION	POSITIONS HELD (NODAL, COORDINATOR/ ASSISTANT COORDINATOR / MEMBER)	DURATION MONTH/YEAR
1	Career Guidance and Placement Cell	Member	2013-2015
2	Calendar Committee	Member	2015-2018
3	NAAC Team under the Circle Governance and Leadership	Member	2015-2016
4	NAAC Report Preparation and Formatting Work	Member	2015-2016
5	Extension of Autonomous Report and Uploading team	Member	2018-2019
6	Board of Studies Meeting and Syllabus Framing	Member	till now
7	Guidance for UG and PG Projects for final year Students	Member	till now
8	ICT (G-Suite Account creation for both Staff & Students)	Coordinator	2015 - till now
9	IQAC	Member	2022

V. INNOVATIVE TEACHING SKILLS**ICT ENABLED TEACHING METHODS**

S.NO	
1	Power Point Presentation using Projector and Interactive Board
2	Online sources, Video clippings and Audio system
3	Classroom interaction in terms of paper presentations, seminars, debates, group discussions, assignments, quiz/tests/viva and laboratory work.

e- CONTENT DEVELOPED

S.NO	DATE	TITLE	SOCIAL NETWORK (YouTube, Slideshare, Blog, MOOCs, Others)	LINK
1.	01.06.2021	Introduction to Data Structure and Algorithms	Slide share	https://www.slideshare.net/SumathiMathanMohan/data-structure-and-algorithms-248828447

2.	01.06.2021	Computer Organization	Slide share	https://www.slideshare.net/SumathiMathanMohan/computer-organization-248828575
3.	01.06.2021	Computer Organization	You Tube	https://youtu.be/OiSGJrT5sr0
4.	11.10.2021	Big Data Analytic s	Slide share	https://www.slideshare.net/MrsSSumathiIT/big-data-analytics-250415345

COLLABORATIVE ACTIVITIES IN OTHER INSTITUTION – EXTENSION/ CONSULTANCY

S.NO	DATE	TITLE	NAME OF THE INSTITUTE/CORPORATE/ ADOPTED VILLAGE
1	18.02.2016	Extension program on e-content Training Programme	M.W.P.V Middle School, Kannanenthal, Madurai-14.
2	09.12.2016	Extension Training programme on “Digital Payment” for other department staff member.	EMG Yadava Women’s College, Madurai.
3	20.09.2018	Awareness program on ‘Net Banking’	Umachikulam Government School, Madurai.
4	30.01.2018	Extension Program on “Online Shopping using wallet”	Madurai North Elementary School, Kannanenthal, Madurai.
5	20.10.2021 To 26.10.2021	Consultancy Program “Workshop on Google Tools” for other department staff member.	EMG Yadava Women’s College, Madurai.

VI. COMPUTER SKILLS

COMPUTER LANGUAGE/TECHNICAL SKILLS

S.NO	
1.	C, C++, Java, VB.NET, ASP.Net, PHP & MySQL, Oracle, HTML & Scripting Languages, MS Office (Word, PowerPoint, Excel, Access), Multimedia, Image Animation using Flash, DTP(Corel Draw, Page Maker, Photo shop), Invitation Designing.

VII. LANGUAGE PROFICIENCY

S.NO	LANGUAGE	SPEAK	READ	WRITE
1	Tamil	✓	✓	✓
2	English	✓	✓	✓