RESUME

Photo

Name: Dr. J. Margaret Sangeetha
Designation: Assistant Professor & Coordinator
Department: Computer Science
Address: St. Xavier's College(Autonomous), Palayamkottai

PERSONAL DETAILS

Date of Birth : 03.03.1980

Qualification : M.Sc., M.Phil. SET NET Ph.D.

Designation : Assistant Professor &Coordinator

Department : Computer Science

Community : BC

Religion : Catholic

Nationality : Indian

Mobile : 9790122332

Email ID : jmagiesangeetha@gmail.com

ACADEMIC QUALIFICATIONS

Degree	Specialization	College	University	Year of Passing
B.Sc.	Computer Science	St. Mary's College, Thoothukudi	Manonmaniam Sundaranar University	2000
M.Sc.	Computer Science	St. Xavier's College, Palayamkottai	Manonmaniam Sundaranar University	2002
M.Phil	Computer Science	Madurai Kamaraj University, (Distant Education)	Madurai Kamaraj University, (Distant Education)	2009
SET	Computer Science	Mother Teresa University	Mother Teresa University	2017
NET	Computer Science	UGC- National Testing Agency	UGC- National Testing Agency	2018
Ph.D	Computer Science	St. Xavier's College, Palayamkottai	Manonmaniam Sundaranar University	2022

ACADEMIC IDENTITY

*VIDWAN ID	288071
*ORCID ID	0000-0003-2306-6128
*SCOPUS ID	Scopus Author ID: 59453153100
*RESEARCHER ID/ PUBLONS ID	GON-5506-2022
GOOGLE SCHOLAR LINK	https://scholar.google.com/citations? hl=en&user=OQRBKvAAAAAJ

TEACHING EXPERIENCE

Date of Appointment	15.06.2011		
Date of Retirement	31.05.2040		
Teaching Experience	UG	14 years	
	PG	14 years	
	M.Phil. 1 year		
Research	Guided M Phil: Guided Ph D: Guiding Ph Scholar:		

COURSES/CLASSES	NAME OF THE	DURATION	

TAUGHT	INSTITUTIONS	From	To	Years
B. Sc. Computer Science (Programming in C, Java Programming, Data Structures, C++, Simulation, Web Technology, Database Management System, Office Automation)	Rose Mary college, Tirunelveli	26.11.2007	31.05.2011	3 years 6 months
M.Sc. Information Technology (Computer Graphics and Multimedia, Digital Image Processing, Data Mining and Data Warehousing, Soft Computing)	Rose Mary college, Tirunelveli	26.11.2007	31.05.2011	3 years 6 months
B.Com. (Comp. Application) (Office Automation, C Programming, VB.NET, HTML, Oracle, Multimedia, Desk Top Publishing)	St. Xavier's College, Tirunelveli	15.06.2011	May 2018	7 years
PGDCAB (Office Automation, Advanced Excel, MS Access)	St. Xavier's College, Tirunelveli	15.06.2011	May 2018	7 years
B. Sc. Computer Science (Programming in C, Java Programming, Data Structures, C++, RDBMS with PL/SQL, Operating Systems, UNIX, Software Engineering, Document Editor, Multimedia, Internet Concepts)	St. Xavier's College, Tirunelveli	June 2018	till now	7 years
M. Sc. Computer Science (Software Testing, Soft Computing, IoT, Object Oriented Analysis and Design, Advanced DataBase Management System, Advanced Operating System, DataMining and Warehousing)	St. Xavier's College, Tirunelveli	June 2016	till now	7 years

AWARDS RECEIVED	
1.	
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ADMINISTRATIVE EXPERIENCE			
S. No	DESIGNATION	INSTITUTIONS	YEAR
1	NSS PO	St. Xaviers College	2021 to 2024
2	IQAC Memeber	St. Xaviers College	2022 to till now
3	Dean of Service Organisation	St. Xavier's College	2023 to 2025
4	Governing body Special Invitee	St. Xavier's College	2023 to 2025
5	Planning and Evaluation Committee	St. Xavier's College	2023 to till now
6	Girl Students' Welfare Committee Member	St. Xavier's College	2023 to till now
7	Sports And Games Cell Member	St. Xavier's College	2023 to till now
8	Fine Arts Member	St. Xavier's College	2023 to till now
9	SXC Alumni Association EC Member	St. Xavier's College	2024 to till now
10	Coordinator	Department of Computer Science, St. Xavier's College	2025 to till now
11	Academic Council Member	St. Xavier's College	2025 to till now

MEMBERSHIP		
S. No	Designation	Particulars
1.		
2.		
3.		
4.		
5.		

S. No	Name of the Training	Name of the Sponsoring Agency	Place and Date
ORIENTATION / REFRESHER COURSES / FACULTY DEVELOPMENT PROGRAMME UNDERGONE (UGC / HRDC / TLC-PMMNMT ONLY)			
1	4-Week Induction/Orientation Programme for "Faculty in Universities/Colleges/Institutes of Higher Education"	MINISTRY OF EDUCATION PANDIT MADAN MOHAN MALAVIYA NATIONAL MISSION ON TEACHERS AND TEACHING	Teaching Learning Centre, Ramanujan College University of Delhi 20 June – 19 July, 2022 online
2	Managing Online Classes and Co-Creating MOOC 28.0	Ramanujan College, New Delhi	Ramanujan College, New Delhi6.7.23 – 20.7.23
3	NEP 2020 Orientation & Sensitization Programme	Malaviya Mission Teacher Training Programme(MM-TTP) of UGC, Mizoram University	22nd to 30th May, 2025

S. No	Name of the Training	Name of the Sponsoring Agency	Place and Date
ORIENTATION / REFRESHER COURSES / FACULTY DEVELOPMENT PROGRAMME UNDERGONE (SXC & Others)			
1	Orientation Programme for Teachers	IQAC, St. Xavier's College	St. Xavier's College 15-07-2022 and 16-07-2022
2	Faculty Empowerment Programme	IQAC, St. Xavier's College	St. Xavier's College 23-07-2022
3	Faculty Empowerment Programme	IQAC, St. Xavier's College	St. Xavier's College 24-09-2022
4	Workshop on Aspects of Higher Education	IQAC, St.Xavier's College	IQAC, St.Xavier's College,15.06.2023
5	Orientation Programme for Teachers	IQAC, St.Xavier's College	IQAC, St.Xavier's College June16 &17, 2023
6	Five -day Virtual Faculty Empowerment Workshop on "E-content Preparation & ICT Tools"	IQAC, St.Xavier's College	IQAC, St.Xavier's College19.9.23, 26.9.23, 3.10.23,10.10.23, 17.10.23
7	International Online Faculty Development Programme on "Recent Trends and Vistas in Artificial Intelligence".	Mangayarkarasi College of Arts and Science, Madurai	June 24 to 28, 2024, online

8	Faculty Development Programme (FDP) on "Serene Minds, Successful Lives: The Key to Emotional Well-Being,"	PG and Research department of rehabilitation Science, Holy Cross College, Trichy	April 7 to 11, 2025. Online
9	Faculty Development Program (FDP) on AI-Powered Modern Tools for Research	Department of DataScience, St. Xavier's College	March 5 to 7, 2025, online
10	One Day Online FDP on "AI Tools For Research and Teaching	Department of Artificial Intelligence, St.Xavier's college(Autonomous)	March 9, 2025, online

DETAILS OF RESEARCH WORK

Research Stages	Title of the Thesis	University where the work was carried out
Completed on 28.07.2022	IMPROVISATION OF DENSITY BASED SPATIAL CLUSTERING OF APPLICATIONS WITH NOISE CLUSTERING ALGORITHM BASED ON AUTOMATIC PARAMETER SELECTION AND MAHALANOBIS DISTANCE FUNCTION	Manonmaniam Sundaranar University, Tirunelveli

AREAS OF RESEARCH

Data mining
Big Data Analytics
Machine Learning
IoT
Machine Learning

RESEARCH PROJECTS CARRIED OUT

S. No	Title of the Project (Minor)	Name of the Funding Agency& Amount	Duration

PUBLICATIONS				
BOOKS	BOOK CHAPTERS	SCOPUS	WEB OF SCIENCE	UGC LISTED
		4		
OTHER INDEXED	AS A RESOURCE PERSON	PAPERS PRESENTED IN NATIONAL AND INTERNATIONAL SEMINARS	WEBINARS, SEMINARS, WORKSHOPS ATTENDED	
	7	3	18	

PUBLICATIONS: BOOKS ()			
S. No	Title of the Book	Publication	Year

BOOK CHAPTERS ()			
S. No	Title of the Paper	Name of the Book	ISSN No., Pg.No

PUBLICATIONS: SCOPUS INDEXED JOURNALS ()WEB OF SCIENCE ()			
S.	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact

No			factor & Pg. No
1	A Novel Density Based Clustering Algorithm by Incorporating Mahalanobis Distance	International Journal of Intelligent Engineering and Systems	Vol.11, No.3, 2018, 121-129Scopus Indexed ISSN No. 2185-3118 Impact Factor 1.173
2	Automated Digital Image Clustering Algorithm Based on Colour Distance and IDBSCAN	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	Volume-9 Issue-2, 2717-2722. Scopus Indexed ISSN No.2278-3075 Impact Factor 1.0
3	Twinned Text Clustering Algorithm Based on IDBSCAN and ConceptNet for Effective Green Communication	Journal of Green Engineering	Vol.10, No.9, 6923–6937 Scopus Indexed ISSN number 2245-4586 Impact factor 1.577
4	Financial stock marketForecast using evaluated linear regression based machine learning technique	Measur ement: Sensor	Volume 31, February 2024, 100950 https://doi.org/10.1016/ j.measen.2023.100950

PUBLICATIONS: UGC LISTED JOURNALS ()			
S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor & Pg. No

PUBLICATIONS: OTHER INDEXED JOURNALS ()			
S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor &Pg.No

AS A RESOURCE PERSON ()

S. No	Name of the Event	Name of the Sponsoring Agency	Place and Date
1.	Practical Examiner	St. Marys College, Tuticorin	2018 to till now
2.	Practical Examiner	Sadak Athullah appa College, Palayamkottai	2024 to till now
3.	Paper Valuation	St. Marys College, Tuticorin	2020 to till now
4.	Paper Valuation- as chief for allied paper valuation	Manonmaniam Sundaranar University	2024
5	State Level Intercollegiate Tech Meet 2023	Rose Mary College of Arts and Science(Women)	07-03-23
6	Department of Computer Science Association Valedictory	Christopher Arts & Science College, Kalakad, Tirunelveli	Christopher Arts & Science College, Kalakad, Tirunelveli19.03.2025
7	TechXPO Three days Technical Exhibition	Department of Information Technology, Rose Mary College	Department of Information Technology, Rose Mary College, 13 to 1 Feb 2025

WEBMINARS/SEMINARS/ CONFERENCES / SYMPOSIA / WORKSHOP PAPER PRESENTED: National () International ()

S. No	Name of the Event	Name of the Sponsoring Agency	Place and Date
1	International Conference On RECENT TRENDS &TECHNOLOGIES IN SOFT COMPUTING	DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS ST.PETER'S INSTITUTE OF HIGHER EDUCATION & RESEARCH AVADI, CHENNAI – 54.	ST.PETER'S INSTITUTE OF HIGHER EDUCATION & RESEARCH AVADI, CHENNAI – 54. 21 and 22 April 2022
2	2nd International Conference on Emerging Trends in Materials, Computing and Communication Technologies	ANNAI VAILANKANNI COLLEGE OF ENGINEERING	ANNAI VAILANKANNI COLLEGE OF ENGINEERING, Kanyakumari, 9th and 10th Dec 2021

3.	International Multidisciplinary conference in Advancing Research writing through AI for Future Innovation	SMART in collaboration with Rani Anna Government College for women	March 28, 2025

<table>
<tr><td colspan="4">WEBMINARS/SEMINARS/ CONFERENCES / SYMPOSIA / WORKSHOP ATTENDED:</td></tr>
<tr><td>S. No</td><td>Name of the Event</td><td>Name of the Sponsoring Agency</td><td>Place and Date</td></tr>
<tr><td>1</td><td>National Conference on NEW HORIZONSIN COMPUTATIONAL INTELLIGENCE AND INFORMATION SYSTEMS</td><td>DEPARTMENT OF COMPUTER SCIENCE AND APPLICATIONS Gandhigram Rural Institute - Deemed University Gandhigram - 624 302, Dindigul Supported by UGC, New Delhi</td><td>Gandhigram Rural Institute - Deemed University Gandhigram - 624 302, DindigulSupported by UGC, New Delhi 17th & 18th DECEMBER, 2015</td></tr>
<tr><td>2</td><td>One Day State Level Seminar on DATA MINING</td><td>UGC</td><td>Department of Computer Science, SadakathullahAppa College, Tirunelveli- 627011 17th Feb 2016</td></tr>
<tr><td>3</td><td>National Conference on BIG DATA ANALYTICS</td><td>Department of Computer Science, St. Xavier's College, Tirunelveli – 627002</td><td>St. Xavier's College, Tirunelveli – 627002 26th Feb 2016</td></tr>
<tr><td>4</td><td>One Day National Workshop on RESEARCH PAPER WRITING</td><td>Academic Research Section, Thiyagarajar College of Engineering, Madurai.</td><td>Thiyagarajar College of Engineering, Madurai 29th AUG 2016</td></tr>
<tr><td>5</td><td>National Conference on RECENT TRENDS IN DATA MINING</td><td>Department of Computer Science St. Xavier's College, Palayamkottai</td><td>St. Xavier's College, Palayamkottai 9th Feb 2017</td></tr>
<tr><td>6</td><td>Workshop on Data analysis for Research</td><td>PG & Research Department of Commerc, St. Xavier's College, Tirunelveli</td><td>St. Xavier's College, Palayamkottai 24th and 25th Feb 2017</td></tr>
<tr><td>7</td><td>National Level Webinar on ROAD MAP TO ACADEMIC RESEARCH AND HIDDEN OPPORTUNITIES</td><td>Department of Computer Application St. Xavier's College, Palayamkottai</td><td>St. Xavier's College, Palayamkottai 15th June 2020</td></tr>
<tr><td>8</td><td>National Level Webinar on LEARNING MANAGEMENT SYSTEM USING CANVAS INSTRUCTURE</td><td>Department of Computer Applications, Don Bosco College of Arts and Science, Thoothukudi</td><td>Don Bosco College of Arts and Science, Thoothukudi 25th June 2020</td></tr>
<tr><td>9</td><td>National Level Webinar on</td><td>Department of Information</td><td>Sri Vidyanikethan</td></tr>
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	APPLICATIONS OF SEMANTIC WEB IN DIGITAL WORLD	Technology, Sri Vidyanikethan Engineering College, Tirupathi, AndhraPradesh	Engineering College, Tirupathi, AndhraPradesh
10	National Level Webinar on RECENT TRENDS IN DIGITAL IMAGE PROCESSING	Department of Computer Applications, ShriKrishnaswamy College for women, Chennai	ShriKrishnaswamy College for women, Chennai20th May 2020
11	National Level Webinar on RECENT TRENDS IN COMPUTER SCIENCE RESEARCH	Department of Computer Science, Sri VasaviCollege(SFW), Erode.	Sri VasaviCollege(SFW), Erode.26th May 2020
12	National Level Webinar on MACHINE LEARNING AND ARTIFICIAL INTELLIGENCE	PG and Research Department of Computer Science, SadakathullaAppa College, Tirunrlveli	SadakathullaAppa College, Tirunrlveli 7th June 2021
13	State Level Webinar on PRACTICAL APPROACHES TO INTEGRATE AND INTERACT WITH IoT DEVICES	Department of Computer Science St. Xavier's College, Palayamkottai	St. Xavier's College, Palayamkottai 28th June 2021
14	National Level Webinar on RECENT TRENDS IN MACHINE LEARNING	Department of Computer Science St. Xavier's College, Palayamkottai	St. Xavier's College, Palayamkottai 28th July 2021
15	National Level Seminar on Human-Machine Teams: The future of Work and Innovation	Eternal Scientific Publications Don Bosco College, Keela Eral	Don Bosco College, Keela Eral27.02.2025
16	The National Conference on Prospects and Challenges in Disruptive Technologies	Department of Computer Science,St. Xavier's College	St. Xavier's College06.12.2024
17	AI-Powered Modern Tools for Research	Department of Data Science St. Xavier's College, Palayamkottai	St. Xavier's College, Palayamkotta i05.03.2025 to 07.03.2025
18	International Multidisciplinary Conference On Advancing Research Writing through AI for Future Innovation	Rani Anna Gvernment College for Women & Dr. BGR Publications	Rani Anna Gvernment College for Women, 28.03.2025

COUNTRIES VISITED			

EXTRA-CURRICULAR ACTIVITIES/ CO-CURRICULAR ACTIVITIES ATTENDED(NCC/NSS/YRC/SPORTS/LITERARY AND CULTURAL ACTIVITIES)
As NSS Programe Officer of Unit 31 St. Xavier's College From 2021 to 2024
Conducted Virtual National NSS Meet 2021
Organized a seven-day residential NSS camp for three consecutive years.
Released two annual editions of the departmental women's magazine titled "She Speaks."

Date: 23.06.2025   **Name: Dr. J.Margaret Sangeetha**