



Name : Dr.M.SOFIA
Designation : Assistant Professor
Department : Management Studies
Qualification : M.Sc.,M.Phil., Ph.D.
Experience : Teaching: 7 Years 1 Month
Area of Specialization(s) : Data Mining & Bioinformatics
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Academic Qualifications

Degree	Branch	Institution / University Name	Year of Graduation
Ph.D.	Computer Science	Sri Ramakrishna College of Arts and Science for Women, Bharathiar University, Coimbatore	2023
M.Phil	Computer Science	Bharathiar University, Coimbatore	2015
M.Sc	Computer Science	Dr.R.V .Arts and Science College, Bharathiar University Coimbatore	2013
B.Sc	Information Technology	Dr.R.V .Arts and Science College, Bharathiar University Coimbatore	2011

PAPER PUBLICATIONS

S.NO	TITLE OF THE PAPER	NATIONAL/INTERNATIONAL	Page No
1	A Novel Composite Method using the Simplified Cuckoo Optimization Algorithm and Harmony Search for Cancer Classification	International Journal of Recent Technology and Engineering-Published by Blue Eyes Intelligence Engineering & Sciences Publications	ISSN :2277-3878 (Online),Volume -8 Issue-5,January -2020.Page No:3909--3915
2	Gene Expression Meta-Analysis by Integrating Data from Multiple Studies	International Conference on Emerging Social,Mobile,Analytics and Cloud e-SMAC 2018-Published by Coimbatore Institute of Information Technology	ISBN 978-1-941505-92-2 Page No:238-240

3	Trapezoidal Fuzzy Membership Valued Classifier and Mean Weighted Artificial Bee Colony (TFMVC - MWABC) for Co Expression Gene Selection Using Miroarray Data	Journal of Advanced Research in Dynamical & Control systems	ISSN 1943-023X Page No:35-48
4	A Comparative Study on Data Mining Algorithm for Gene Cancer Analysis	International Journal of Advanced Research in Computer and Communication Engineering	ISSN 2278-1021 ,Volume 6 ,Special Issue 1,January 2017, Page No:84-87
5	Automatic 2D- to - 3D Image Conversion -A -Study	International Journal of Advanced Research in Computer and Communication Engineering	ISSN 2278-1021 ,Volume 6 ,Special Issue 1,January 2017, Page No:224-226
6	Mean Weighted Artificial Bee Colony (MWABC) based Feature Selection for Gene Co-Expression using Microarray Data	International Journal of Advanced Research in Computer and Communication Engineering	ISSN 2278-1021 ,Volume 6 ,Special Issue 1,January 2017, Page No:227-232
7	Investigation Study of Discriminative Gene Selection and Tissue Sample Classification Methods for Microarray Data	International Conference on Innovation ,Embedded and Communication Systems	978-1-4673-8208-3 Page No:1593-1598
8	Interval -Value based Particle Swarm Optimization alorogithm for Cancer-Type specific Gene Selection and Sample Classification	Science Direct -Elesvier	Page No:46-50
9	A Comprehensive Stufdy on Gene Selection and Tissue Samples Techniques	International Journal Computer Applications & Information Technology	Vol.6 Issue II Aug-Sep 2014 (ISSN:2278-7720) Page No:108-115
10	Classification of Tissue Samples and Gene Selection a Study	International Conference on Information and Image Processing Published by Bonfring	ISBN 978-93-83459-15-5

SEMINAR

S.NO	TITLE OF THE SEMINAR	DATE	NATIONAL/ INTERNATIONAL	ORGANIZED BY
1	An Exemplary Walkthrough on Academic Research	27/09/2021	National	Department of Computer Science ,Sri Ramakrishna College of Arts and Science for Women
2	Outcome Based Education	4/9/2021	National	IQAC & SA Centre for Academic Staff, S.A .College of Arts & Science
3	Harassment of Women in Digital Space	16/10/2020	National	Women Anti Harassment Cell
4	Youth Leadership Summit	23/08/2017	National	ICT Academy

CONFERENCE

S.NO	TITLE OF THE CONFERENCE	DATE	NATIONAL/ INTERNATIONAL	ORGANIZED BY
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1	Emerging Research Trends in Computer Science and Technology(IVCERTCST'21)	29/01/2021	International	Department of Computer Science,SNMV College of Arts and Science
2	Innovation Quality Enrichment and Excellence in Education	22/12/2020-23/12/2020	International	JIS University Institutions Innovetion Council
3	Emerging Social,Mobile,Analytics and Cloud(e-SMAC 2018)	24/01/2018	International	Department of Computer Science,Sri Ramakrishna College of Arts and Science for Women
4	Next Generation Computing Technologies(ICNGCT-2017)	12/10/2017	International	Department of Computer Studies,Sankara College of Scienc and Commerce

FACULTY DEVELOPMENT PROGRAM

S.N O	TITLE OF THE FDP	DATE	NATIONAL/ INTERNATIONAL	ORGANIZED BY
1	A Quality Initiative in Teaching and Learning Strategies	20/6/2022-27/06/2022	National	Department of Fashion Designing , SRM Institute of Science and Technology
2	Artificial Intelligence and its Applications	28/01/2022-29/01/2022	National	Hindusthan School of Computer Applications
3	Machine Learning ,Deep Learning and Natural Language Processing Toolkit with Hand-on-Practice	02/08/2021-06/08/2021	National	Department of Computer Science & Engineering Chandigarh University
4	Research Issues in Machine Learning and Artificial Intelligence	01/11/2021-03/11/2021	National	IQAC and R & D Cell,Pollachi College of Arts and Science
5	NTA NET /TNSET	10/08/2021-16/08/2021	National	Department of B.Com PA & AF
6	Nunances and Trends in Data Science	26/07/2021-30/07/2021	International	Department of information Technology/PG & Research Department of Management Studies, Hindusthan College of Arts & Science
7	Multi -Technologies	28/06/2021-03/07/2021	National	Department of Electronics and Communication Engineering & Department of Bio Medical Engineering ,Aarupadai Veedu Institute of Techology
8	Bloom's Taxonomy-An Insight	1/7/2021	National	IQAC & CDC Hindusthan College of Arts & Science
9	Activities of Institutions to Impact Quality Education	12/6/2021	National	IQAC , Sree Narayana Guru College

10	Data Analysis Using SPSS for Researchers	31/05/2021-08/06/2021	National	Department of Commerce, Sri Ramakrishna College of Arts and Science for Women
11	Pedagogical Innovations and Experimentation in Enhancing Learning Effectiveness	04/02/2021-07/02/2021	National	Department of BBA(CA) & BBA Logistics,Hindusthan College of Arts & Science
12	Entrepreneurship	20/01/2021-04/02/2021	National	Department of BBA(CA) & BBA Logistics,Hindusthan College of Arts & Science
13	Data Sciences	15/12/2020-19/12/2020	National	AICTE Training and Learning(ATAL) Academy
14	Trends and Challenges in Research Methodologies	16/10/2020-22/10/2020	National	PG and Research Department of Computer Applications ,Hindusthan College of Arts & Science
15	Become the Role Model	12/10/2020-17/10/2020	National	PG and Research Department of Biotechnology and Microbiology ,Hindusthan College of Arts & Science
16	Prospects of Holistic IT Insurgence	12/10/2020-17/10/2020	International	Department of Computer Applications,Hindusthan College of Arts & Science
17	Intellectual Property Rights -How to Apply?	6/10/2020	National	PG and Research Department of Social Work ,Hindusthan College of Arts & Science
18	Discover the Teacher in You	5/10/2020	National	PG and Research Department of Biotechnology ,Hindusthan College of Arts & Science
19	Emotional Intelligence	28,30/4/2020 & 02/05/2020	National	KG College of Arts & Science
20	Data Science and Big Data Analytics	21/11/2016-25/11/2016	National	ICT Academy,United Institute of Technology
21	Resource Mobilisation for Research Work	16/07/2016	National	Pioneer College of Arts and Science

SKILL DEVELOPMENT PROGRAMME

S.NO	TITLE OF THE PROGRAM	DATE	SPONSERED BY
1	GST -Registration ,Assessment and Filing of Returns-Phase III	02/11/2020-12/11/2020	Rashtriya Uchchar Shiksha Abhiyan(RUSA)
2	Web Design Course for Entrepreneurship - Phase 1	19/10/2020-31/10/2020	Digital Career and Entrepreneurship Hub Project of MHRD BU RUSA Phase II BEICH
3	Big Data Analytics	04/07/2016-15/07/2016	Department of Science and Technology (DST),Big Data Initiatives Division (BDI)

SHORT TERM TRAINING PROGRAMME(STTP)

S.NO	TITLE OF THE PROGRAM	DATE	NATIONAL/ INTERNATIONAL	ORGANIZED BY
1	Recent Trends and Challenges in Data Science	4/1/2021-9/1/2021	National	PG Research Department of Computer Application Hindusthan College of Arts & Science, AICTE Sponsored

2	Implementation of Outcome Based Education to Enhance the Quality of HEIs	05/10/2020-10/10/2020	National	School of Management ,Hindusthan College of Arts & Science AICTE Sponsored
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WORKSHOPS ATTENDED

S.NO	TITLE OF THE WORKSHOP	DATE	ORGANIZED BY
1	Research Article Writing and Publishing with Citation	15/12/2021	Department of Computer Science, Information Technology and Computer Applications,PSGR Krishnammal College for Women
2	Outcome Based Educaion: Blooms Taxonomy based Examination Question Paper Framing for Computer Science	27/9/2021	Ayya Nadar Janaki Ammal College
3	Java+Android	20/09/2021-25/09/2021	Department of Electrical ,Electronics and Communication Engineering School of Technology
4	Prototype-Career Readiness for Hackers	19/08/2021	Department of Information Technology and Institution's Innovation Council ,G.Venkataswamy Naidu College (SFC)
5	Big Data	12/07/2021-17/07/2021	Computer Science Association Kaamadhenu Arts and Science College
6	Intellectual Property Rights	30/12/2020&31/12/2020	Cell for IPR Promotion and Management (CIPAM) KG College of Arts & Science
7	Is Blockchain and AI -Solution for Cybersecurity	1/10/2020	Department of Information Technology ,School of Physical Sciences and Computational Science, Avinashilingam Institute for Home Science and Higher Education for Women
8	Cyber Attacks and Attack Handling Methods	30/09/2020	Department of Information Technology ,School of Physical Sciences and Computational Science, Avinashilingam Institute for Home Science and Higher Education for Women
9	MATLAB for Solving Research Problems	31/07/2017	Center for Research , Dr.N.G.P .Arts and Science College (Autonomous)