



SHRIMATI INDIRA GANDHI COLLEGE

(Affiliated to Bharathidasan University)

Nationally Accredited at 'A' Grade (4th Cycle) by NAAC | An ISO 9001 : 2015 Certified Institution
Tiruchirappalli - 620 002

Name : Dr.T.MALATHI
Designation : Assistant Professor
Department : Computer Applications
Qualification : M.Sc., (S.S), M. Phil., M.E., (CSE), UGC-NET., Ph.D.,
Experience : Teaching: 18 Years Research: 17 Years
Area of Specialization(s) : Computer Networks
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Academic Qualifications

Degree	Branch	Institution/UniversityName	Year of Graduation
Ph.D.,	Computer Science	Bharathidasan university, Tiruchirappalli	Mar 2024
UGC-NET.,	Computer Science	NTA	Nov 2020
M.E.,	Computer Science and Engineering	Gnanamani College of Engineering Anna University, Namakkal	May 2014
M.Phil.,	Computer Science	Periyar University, Salem	May 2007
M.Sc.,	Software Science	Vivekananda College of Arts and Science for Women, Periyar University, Namakkal	May 2005

Research Publications (Indexed)

International

Sl.No.	Title of the Article	Details of the Publication
1	Data Base and Data Warehouse – An Overview	International Journal of Advanced Multidisciplinary Research and case and Practices, Mc Stem Eduversity, USA, USA e-ISSN: 2994- 3981, Volume 1, Issue 1, Oct 2023
2	Importance of Feature Engineering Techniques for Weather Prediction Model	CLIO Annual Interdisciplinary Journal of History, Volume – 06 issue – April 2020

3	Comparison of Classification Techniques in Rainfall Prediction using Machine Learning	Alochana Chakra Journal, Volume IX, Issue IV, April/2020, pp. 3450- 3455. (Indexing: Old Care A Group Journal)
4	Feature Selection Techniques for Weather Prediction Model	Journal of the Maharaja Sayajirao University of Baroda (Print Journal), Volume-54, No.2 (VI) 2020, 178-183. (Indexing: Care A Group Journal)
5	An Ant Colony – Information Gain Based Feature Selection Method for Enhancing the Weather Prediction	Annals of the Romanian Society for Cell Biology (Multidisciplinary), 25(2), 3838–3850. (Indexing: Scopus, Care B Group)
6	Feature Selection Techniques for Weather Forecasting Models using Machine Learning Techniques	International Journal of Electrical Engineering and Technology (IJEET), Volume 11, Issue 4, June 2020, pp. 443-455
7	Weather Forecasting with Optimization Based Neural Network Classification	Webology, Volume 18, Number 5, 2021, pp. 2681-2694
8	Web Ontology Language – Business Process Customization for Composite Web Services	International Journal of Scientific research and management (IJSRM), Volume 2, Issue 5, Page - 796 to 801, 2014
9	An Advanced System to Authenticate the Person Based of Finger Vein Matching Technique to Facilitate Safer Financial Transactions	
10	IOT Enabled chemical mixing device for Agriculture Farm	Design No: 398669-001, Dated: 28- 10-2023

Presentations in Conference

Sl.No.	Title of the Paper	Seminar / Conference	Venue	Date
1	Importance of Feature Engineering Techniques for Weather Prediction Model	International Conference on Information Technology, Entrepreneurship, Humanities and Sustainable Value chain in a challenging Environment(ieh-2020)	Dubai	Feb 24, 2020
2	Artificial Neural Network based Daily Weather Prediction using back propagation technique	IEEE ICECA 2018	Coimbatore	
3	Framework for evaluating the classification techniques with proposed hybrid selection method for weather prediction	International Conference on “Challenge & Response of Organization During Turbulent Global Business Environment	Lifelong learning Academy, 10 Arumugam Road, #07-02LTC, Singapore 409957	Jun 4, 2019
4	Deriving Hidden Affinity Finder Relationship on Twitter Utilizing based on knowledge-based techniques	International conference on “Digital India the unfolding opportunities and challenges”	Vivekanandha Institution of Information and Management Studies and Mother Teresa	Mar 2&3, 2017

			Women's University	
5	Resource Description Framework Schema in Web Ontology Language base Business Process Dynamic Customization for Composite Web Service	International conference on "Computational Intelligence and Big Data Analytics"	Vivekanandha Institution of Information and Management Studies and Mother Teresa Women's University	Mar 6&7, 2015

Participation in Conference

International:

Sl.No.	Title of the Conference	Venue	Date
1	Recent Trends in Cyber Security	Shrimati Indira Gandhi College, Trichy	Dec 15, 2021
2	Cloud Computing-Emerging Trends and Technologies	Shrimati Indira Gandhi College, Trichy	Mar 10&11, 2023
3	Next Generation Technologies for Sustainable Computing	Shrimati Indira Gandhi College, Trichy	Jan 24, 2025

National:

Sl.No.	Title of the Conference	Organised By	Date
1	I3 – Industries institutions Interactions		Jan 6&7, 2005
2	Bioinformatic Tools for Gene and Protein Analysis	Shrimati Indira Gandhi College, Trichy	Sep 7&8, 2007
3	Information Communication Technology - Trends	Shrimati Indira Gandhi College, Trichy	Nov 21, 2009
4	Software and Computing Technologies		Sep 19, 2012
5	Cloud Computing		Sep 26&27, 2012
6	Recent Trends in Engineering and Technology	Sri Raja Rajan College of Engineering and Technology, Karaikudi	Feb 4, 2013

Participation In Seminars

Sl.No.	Title of the Seminar	Organised By	Date
1	NEP 2020 orientation & Sensitization programme under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC)	Bharathidasan University, Trichy	Feb 19 to 28, 2024
2	Online certification of "Web of Science Certification Series"	E Shodh Sindhu	Jul 15, 2020
3	Certification program on "Digital Teaching Techniques"	ICT Academy	Oct 24 to 29, 2020
4	Online Skill Training Programme on "Web Design Course for Entrepreneurship Phase -1"	Bharathiyar University, Coimbatore	Oct 19 to 31, 2020

5	International Seminar on “Big Data Analytics and Applications”	Department of Computer Science & Department of Mathematics, Mother Teresa Women’s University	Nov 25, 2019
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Participation in Workshop

International:

Sl.No.	Title of the Workshop	Organised By	Date
1	DST sponsored International Workshop on “Machine Learning Techniques”	Department of Computer Science, Mother Teresa Women’s University	Dec 3 & 4, 2019
2	Cloud Computing and Virtualization	Shri Sakthikailash Women’s College	Aug 24, 2018
3	Robotics IOT with Cloud Server		Aug 4, 2018
4	Image Restoration Techniques with Matlab		Sep 2 & 3, 2016

National:

Sl.No.	Title of the Workshop	Organised By	Date
1	Recent Trends in Human Computer Interaction	Computer Society of India, Trichy Chapter in association with CSI student Branch of MAM College, CSI student Branch of JMC, CSI student Branch of SIGC and Dept. of CS/IT/MCA of Saranathan college of Engineering", Tiruchirappalli	Feb 28, 2015
2	Computer Networks	Arasu Engineering College, Kumbakonam	Jul 6 to 11, 2020
3	Infusing Cloud Computing Services and AI in Microsoft Azure	Bishop Heber College, Trichy	Jul 23, 2020
4	Recent Trends in Human Computer Interaction	Computer Society of India, Trichy Chapter in association with CSI student Branch of MAM College, CSI student Branch of JMC, CSI student Branch of SIGC and Dept. of CS/IT/MCA of Saranathan college of Engineering”, Tiruchirappalli	Feb 28, 2023
5	Boot Camp on Python Programming	CADD Centre Training Services Private Limited	Aug 28, 2023

Participation in Orientation Programme/ShortTerm Courses

1. Participated in the NEP 2020 orientation and Sensitization programme under Malaviya Mission Teacher Training programme(MM-TTC) of University Grants Commission(UGC),organized by

UGC Malaviya Mission Teacher Training Centre (UGC-MMTTC), Bharathidasan University, Tiruchirappalli, Tamil Nadu from 05.2.2024 to 14.2.2024.

2. Participated & completed AICTE Training And Learning (ATAL) Academy FDP on “Women in Cybersecurity and Disaster Management- A Strategy Framework for Sustainable Safety” from 20/01/2025 to 25/01/2025.

Participation in Faculty Development Programme

Sl.No.	Title of the FDP	Organised By	Date
1	Internet of Things	ICT Academy Of Tamilnadu in K.Ramakrishna College of Engineering , Trichy	Dec 21 & 22, 2017
2	The Future is Here Now	ICT Academy -Season 3 Skycampus	Apr 27 to May 1, 2020
3	The Future Of Education, Employment & Entrepreneurship	ICT Academy -Season 4 Skycampus	May 4 to 8, 2020
4	The Future Of Skills- Education, Employment & Entrepreneurship	ICT Academy -Season 5 Skycampus	May 11 to 15, 2020
5	Future Tech 2020	ICT Academy -Season 6 Skycampus	May 18 to 22, 2020
6	Improving The Skill Set & Changing The Attitude	ICT Academy – Skycampus online Supersession	Jun 5, 2020
7	Future Of Education	ICT Academy - Skycampus online Supersession	Jun 18, 2020
8	Insightful Fridays Of Skycampus Digital Knowledge Webinar Series	ICT Academy - Skycampus online Supersession	Jun 26, 2020
9	Data Science And Big Data Analytics	PPG College of Arts and Science College, Coimbatore	Aug 25 to 31, 2021
10	Introduction To Cloud Computing	Shrimati Indira Gandhi College	Feb 26, 2022
11	Microsoft Azure AI Fundamentals	ICT Academy	Feb 28 to Mar 7, 2022
12	Infusing Cloud Computing Services And Artificial Intelligence In Microsoft Azure	Bishop Heber College, Trichy	Jul 23, 2020
13	Women in Cybersecurity and Disaster Management- A Strategy Framework for Sustainable Safety	AICTE Training And Learning (ATAL) Academy	Jan 20 to 25, 2025
14	Evaluation strategies and classroom management skills	IQAC . Michael Job memorial college of Education for women, Coimbatore	Feb 5 & 6, 2024

15	Research – the journey from Inception to Publishing	IQAC in association with PG & Research Department of Computer Science, Dhanraj Baid Jain College, Chennai-600097	Feb 5 to 9
16	Exploring Frontiers in ML & DL	Theivanai Ammal College for Women(A), Villupuram	Feb 17 to 22, 2025
17	Emerging Trends and Technologies using various Networking Technologies	St. Joseph's College(A&S), Kovur, Chennai	Feb 17 to 22, 2025
18	Future Of Education	ICT Academy - Skycampus online Supersession	Jun 18, 2020
19	Insightful Fridays Of Skycampus Digital Knowledge Webinar Series	ICT Academy - Skycampus online Supersession	Jun 26, 2020
20	Aligning With The New Educational Era	Primax Foundation, St. Claret College, St. Francis College of Bengaluru with Shrimati Indira Gandhi College, Trichy	Feb 21 to 26, 2022
21	Influence of AI in Teaching & Research	Department of Commerce with Computer Applications, Hindusthan College of Arts & Science, Coimbatore-28	Sep 4 to 9, 2023
22	Redefining Research Skills- Enriching Research and Publications	Research and Development Cell, Shrimati Indira Gandhi College , Tiruchirappalli.	Apr 1 to 5, 2024

Conference/Seminar/Workshop Organized

1. International conference on “Next Generation Technologies for Sustainable Computing (ICNGT)” on 24.01.25 at Shrimati Indira Gandhi College