

**Name** : Dr. M. Sangeetha  
**Designation** : Professor  
**Department** : Computer Science  
**Qualification** : M.Sc., M.Phil., Ph.D.,  
**Experience** : Teaching : 13 Years 8 months  
 Research : 11 Years



**Area of Specialization(s)** : Data Mining

**Email** : sangeetha.m@drngpasc.ac.in

#### Academic Qualifications

Degree	Branch	Institution / University Name	Year of Graduation
Ph.D.	Computer Science	Bharathiar University	2019
M.Phil.	Computer Science	Bharathiar University	2008
MSc	Computer Technology	K.S.R College of Technology, Tiruchengode.	2004
BSc	Computer Science	Vellalar College for Women, Erode	2002

#### Additional Qualifications

Diploma / Vocational / Certification	Area of Specialization	Institution / University / Agency Name	Year
Online Certificate	Programming in Java	NPTEL	2022

#### Research Guidance

Programme	No. of Scholars	Completed	Pursuing
M.Phil	16	16	-

### Book Published

<b>Title of the Book</b>	<b>Publisher</b>	<b>Year &amp; Month of Publication</b>
An Indexing Techniques Using Annotation for Improved Markovian Model Based Image Retrieval System	LAP LAMBERT Academic Publishing	<b>October 2019</b>

### Book Chapters

- Dr.M.Sangeetha “ A SURVEY FOR MEDICAL IMAGE SEGMENTATION ALGORITHMS” , SS Hill Research Publishing Corporation, ISBN NO. - 978-939-0-95691-3, Volume 1, Issue 2 , May 2022.
- Dr.M.Sangeetha “ WOMEN'S EMPOWERMENT IN INDIA: A BRIEF DISCUSSION”, Dr.N.G.P Arts and Science College, ISBN NO. 978-81-957709-3-9.
- K.Subanesh, M.Dinesh Kumar, Dr.M.Sangeetha, “THE IP AND MAC ADDRESS REVIEW FILTERING IN WIRELESS NETWORKS SECURITY IN SYSTEMS”, ISBN: 978-93-94521-15-5, PP 497-501.

### Patent Published

<b>Title of the Patent</b>	<b>Agency</b>	<b>Status</b>	<b>Date</b>
Fuel Cell and PV Array-Based Hybrid Power Generation	Intellectual Property India	Published	04/02/2022
Deep Machine Learning Methodology of Financial Accounting of Cryptocurrencies in a Legal and Accounting Perspective	Intellectual Property India	Published	27/05/2022

## Projects

Title of the Project	Agency	Amount	Duration
Impact of Database on Organizational Performance in an Industry	Dr. N.G.P Arts and Science College	₹ 5,000	2021-2022

## Membership Details

- Life Member of International Institute of Organized Research (I2OR) w.e.f. August 2023, Membership Number: I2OR/2020/01178.
- Life Member in IAENG, Member Number: 242861.

## Research Publications (Indexed)

### International

- M.Sangeetha, Dr. K. Anandakumar, “Annotation Based Image Retrieval System by Mining of Semantically Related User Queries with Improved Markovian Model”, Indian Journal of Science and Technology, Vol 8(35), DOI: 10.17485/ijst/2015/v8i34/70767, December 2015.
- M.Sangeetha, Dr. K. Anandakumar, Dr. A. Bharathi, “Automatic Image Annotation and Retrieval : A Survey”, International Research Journal of Engineering and Technology (IRJET), Vol : 03 Issue : 04 | Apr-2016. [Scopus Indexed Journal]
- M.Sangeetha, Dr. K. Anandakumar, Dr. A. Bharathi, “ An Improved Markovian Semantic Image Retrieval System Using Optimized Product Quantization”, Wufenia Journal, Vol : 23, No 10, Oct 2016. [SCI Journal]

### Other Publications: International / National Journals

- M.Sangeetha, S.Deepa , “Improving Energy Efficiency and QOM aware in Wireless Multimedia Sensor Networks” , International Journal of Computer Trends and Technology Volume 11, Issue 1, August 2014.

- M.Sangeetha, N.Vimala , “Survey on Human Activity Prediction based on temporal and spatial patterns”, International Journal of Advance Research in Computer Science and Management Studies, Volume 3, Issue 8, August 2015
- M.Sangeetha, B.Priyadharshini , “Dynamic Query Forms for Database Queries – A Survey”, International Journal of Research in Computer Applications and Robotics, Volume 3, Issue 8, August 2015
- M.Sangeetha, P.Karthikeyan “Using Ontology for Search Results Annotation from Web Databases” , International Journal for Scientific Research & Development, Vol. 3, Issue 07, September 2015
- M.Sangeetha “Online Shopping and Issues of Misleading Advertisements”, International Journal of Advanced Scientific Research & Development, Volume 04, Special Issue 02, Version III, February 2017
- M.Sangeetha, S.Subasri, T.Priyanka “A survey on Document Clustering Using Wordnet” , International Journal of Innovative Technology and Creative Engineering, Vol7, Issue 08, August 2017
- Dr.M.Sangeetha, “Future Role in Artificial Intelligence”, Journal of Emerging Technologies and Innovative Research, Volume 6, Issue 3, March 2019
- Dr.M.Sangeetha, “Feature Extraction Techniques used in Data Mining – A Literature Survey”, Journal of Gujarat Research Society, Volume 21, Issue 17, December 2019
- Dr. M. Sangeetha, N. Vimala, M. Gokila “Issues and Methods In Image Mining For Image Retrieval Systems”, Webology, Volume 18, Issue 2, December 2021.
- Dr. M. Sangeetha, DDR: A Deep Learning Approach for Diabetic Retinopathy Detection using Fuzzy C Means Clustering, Indian Journal of Natural Sciences, Volume 13, Issue 71, April 2022.

### Journal Reviewer

- **Rest Publisher** - “Exploring Various Sensor Network and its Characterization” , ISBN- 978-81-956353-5-1, July 2022.
- **Rest Publisher** – “An overview analysis of Indian Technical Institution using ARAS Method”, ISBN No:978-81-948459, August 2022.

## **Presentations in Conference**

### **International**

- “International Conference on Electrical, Electronics and Computer Engineering”, Vivekanandha College of Engineering for Women, Tiruchengode, 11-Mar-15 & 12-Mar-15
- “International Conference on Enjoyable Programming & IT Trends ICEPIT”, Ayyan Thiruvalluvar College of Arts & Science, Punjai Puliampatti, 19-Dec-12 and 20-Dec-12
- “Third International Conference on Artificial Intelligence, 5G Communications and Network Technologies”, Vellammal Institute of Technology, 23-Mar-23 & 24-Mar-23.
- “National Conference on Advanced Trends in Information Technology”, Dr. N.G.P Arts and Science College, Coimbatore, 21-Feb-13
- “National level Conference on Emerging Trends in Information Technology”, Nehru Institute of Information Technology and Management, Coimbatore, 11-Oct-13
- “National Conference on Rural Agricultural Development in India: Challenges and Prospects”, Kaamadhenu Arts and Science College, Sathyamangalam, 09-Jan-14 and 10-Jan-14
- “Fourth National Conference on Intelligent Computing”, K.S.R. College of Arts and Science College, Tiruchengode, 03-Sep-15 and 04-Sep-15
- “National Conference on Research Issues in Intelligence, networks, Data & Image Analysis”, Nandha Arts and Science College, Erode, 18-Aug-17

## **Participation in Conference**

### **National**

- National Conference on “Emerging Computer Technology”, Sri Ramakrishna Mission Vidhyalaya College of Arts and Science, Coimbatore, 23-Sep-14
- “National Conference on Consumer Protection”, Kaamadhenu Arts and Science College, Sathy, 14-Feb-15

### **Participation in Seminars**

- State Level Seminar on “Recent Technologies in IT”, KG College of Arts and Science, Coimbatore, 09-Feb-13
- International Seminar on “Cyber Security”, Bharathiar University, 09-Mar-13
- Third International Seminar on “Research in Computers: Why, What and How?”, Bharathiar University, 11-Mar-13
- National Seminar on “Quality Enhancement in Higher Education” sponsored by NAAC”, Shankara College of Science and Commerce, Coimbatore, 7-Jan-17
- National Level Seminar on: Emerging Technologies in Computer Science”, Pioneer College of Arts and Science, Coimbatore, 04-Jan-19
- National Level One Day Seminar on “Sustainable Environment for Development of Crop returns in the Field of Agriculture Using IOT”, CSIR & Dr.N.G.P. Institute of Technology, 17-Mar-2022.

### **Participation in Orientation Programme/Training Program**

- “IP Awareness /Training Program”, National Intellectual Property Awareness Mission, 27-Jan- 22.
- “Multidisciplinary Applications of MATLAB in Engineering”, One Week Short-Term Training Program, 24-Jun-22 to 29-Jun-22.
- Online Training/Webinar on “IEEE Xplore”, EBSCO Information Services India Pvt. Ltd, 24-Aug-22

### **Participation in Workshop**

- “Intercollegiate Workshop on Knowledge Mapping in Research”, Sri Vasavi College, Erode, 20- Mar-18.
- “National Level Workshop on Building Real World Application in AWS & PYTHON”, AJK College of Arts and Science, Navakarai, 25-Feb-19.
- “NPTEL E-Awareness workshop”, NPTEL , 06-Jan-2022.

- “NPTEL E-Awareness workshop “, NPTEL, 19-Jan-2022.
- International workshop on “Case Studies in Artificial Intelligence and Machine Learning” held at PSGR Krishnammal College for Women, Coimbatore, Nov 17, 2022
- One Day Online Workshop on “Startup & Innovation for Aspirational INDIA”, Terna Public Charitable Trust’s College of Engineering, Osmanabad, 26-Mar-23.
- Workshop on NEP 2020 - Roadmap for changing Indian Education with a concentration on STEM and Skill Development., Nehru Institute of Technology coimbatore., 8.9.2023 & 9.9.2023.

### **Participation in Faculty Development Programme**

- “Faculty Development Programme” on Kaamadhenu Arts and Science College, Sathyamangalam, 18-Aug-12
- “National Level Faculty Development Programme on “Under Water Computing & Communications”, Dr. G.R. Damodaran College of Science, Coimbatore, 30-Aug-18
- “Online Faculty Development Programme on “Agent Based Intelligent Systems”, Sathyabama Institute of Science & Technology, 04-May- 20 & 06-May- 20
- “Virtual Faculty Development Program on "Enhancing Excellence in Higher Education Through Assessment and Accreditation" organized by IQAC”, Sree Narayana Guru College, Coimbatore, 07- May- 20 & 08-May- 20
- “Online Faculty Development Programme on “Recent Trends in Color Image Processing”, Patrician College of Arts and Science, Chennai, 11-May- 20
- “Online Faculty Development Program”, Providence College for Women, Coimbatore, 12-May- 20
- “Introduction to Python Programming”, Online Faculty Development Program, ICT Academy, 27-Sep-2021 to 01-Sep-2021.
- “Secrets, Findings, Writing and Winning a Research Grant”, Two days Online Faculty Development Program, Pollachi College of Arts and Science, Pollachi, 01-Mar-2022 - 02-Mar-2022.

- “Examining Critical Frontiers in social Science Domain”, Five days Online Faculty Development Program, Guru Nanak College, Chennai, 24-Mar-2022 to 28-Mar-2022.
- National Level FDP on Mentoring and Counselling for Students in HEI’s, IOT Academy, 24-Mar-2022.
- One Week Faculty Development Program on “Augmented & Virtual Reality with Data Science”, P.R.Pote Patil College of Engineering & Management in association with PANTECH E LEARNING, 6-Jun-2022 to 11-jun-2022.
- One Week Online Faculty Development Program on “Emerging and Innovative Approach in Management, IT and Communication in Teaching and Research” 09-jun-2022 to 15-Jun-2022
- “Programming in Java”, NPTEL, Jul-Oct 2022.
- Five Days National Level FDP on “Artificial Intelligence and Cloud Services”, Sri Ramakrishna College of Arts and Science, 31-Oct-2022 to 04-Nov-2022.
- One Day National Online Faculty Development Programme on “Impressive Social Etiquette (Manners Matters)”, Indian Institute of Management and Commerce,04-Nov-2022.
- Ten Days Virtual Faculty Development Program on “An art of Innovative approaches on Research Pedagogy”, VET Institute of Arts and Science, 15-dec-2022 to 24-Dec-2022.
- International level Virtual Faculty Development Program on “Research Advancement in Intelligent Computing Technologies”, Sri Krishna College of Engineering and Technology, 19-Dec-2022 to 23-Dec-2022.
- Six Days Virtual International FDP on Prominent Challenges in Computer Vision, Data and Intelligence, Navarasam Arts and Science College, 26-Dec-2022 to 31-Dec-2022.
- Five Days Virtual Faculty Development Program on “Research & Methodology in Computer Science”, KG College of Arts and Science, 26-Jan-2023 to 28-Jan-2023.
- Five Days Faculty Development Program on International Webinar Series on “Research Tools and Methodologies”, Sri Krishna Adithya College of Arts and Science, 7-Jun-.2023 to13-Jun-2023.
- Five Days Faculty Development Program on “Data Science Specialization using Python”, SNS Rajalakshmi Arts and Science College,19-Jun-2023 to 23-jun-2023.



### **Conference/Workshop/Seminar Organized**

- Organized Intercollegiate Meet function every year from 2012 to 2021.
- Organizing Secretary, “One Day National Level Workshop on Cyber Security Boot Camp”, Kaamadhenu Arts and Science College, 04-Feb-2020.

### **Awards / Honors**

- Received Best Faculty Award from Novel Research Academy, Puducherry, 2021-2022.
- Received Best Paper Award from Velammal Institute of Technology, Chennai, 23-Mar-23 & 24-Mar-23.