Name	**:** Dr.V.Sangeetha
Designation	**:** Assistant Professor
Department	**:** Computer Science with Data Analytics
Qualification	**:** MCA, Ph.D

Experience **:** Teaching: 15 Years   Industry : 2Year   Research : 07

Area of Specialization(s) **:** Networking, Machine Learning, Cloud computing, Artificial Intelligence, Deep learning

Email (Official ID) **:** **sangeetha.v@drngpasc.ac.in**

Academic Qualifications

Degree	Branch	Institution / University Name	Year of Graduation
Ph.D.	Computer Science	Anna University Chennai	2017
MCA	Computer Applications	Avinashlingam College for women/Bharathiyar	2002
BSC	Electronics	PSG college of Arts and Science	1999

Research Publications (Indexed)

International

1. **An enhancement of quality of service and high-speed secure data communication in grid computing environment,** the International Journal of Applied Engineering Research. Volume 21, Number 10 (2015) pp 42533-42535. 2015 ISSN 0973-4562, (Indexed in SCOPUS).

2. **Modeling of Sleep and Awake scheduling algorithm for packet replication in smart grid computing networks,** Asian Journal of Information Technology. vol. 15, no. 5, pp. 961-969 2016 ISSN: 1682-3915 / 1993-5994, (Indexed in SCOPUS).

3. **Big Data in Visual Analytics,** IOSR – International Organization of Scientific Research - Vol/Pgno 45-47, 2017. ISSN/ISBN 2278-0661.

4. **Security Analysis using Network Protocols,** International Journal of Emerging Technologies and Innovative Research-ISSN/ISBN 2349-5162, 2018.

5. **Web mining Techniques for Query log Analysis,** International Journal of Applied Engineering Research. ISSN 0973-4562, 2018.

6. **Discovery of Web usage pattern using Latent Semantic Index,** International Organization of Scientific Research - ISSN/ISBN 2278-0661, 2018.

7. **Anatomy of Big Data Computing,** International Journal of Applied Engineering Research. Volume 10 pp-31-34ISSN 0973-4562,2019.

8. **An Analysis of Efficient Model for Geographic Routing in Mobile Ad hoc Networks,** International Journal of Future Generation Communication and Networking Vol. 13, No. 3, (2020), pp. 2307–2315, 2020.

9. **Design of Deep learning Based Framework for satellite Image classification,** Vidyabharathi International Interdisciplinary ResearchVol 3 pp245-252, May 2021.

10. **Energy Aware Routing techniques for MANET using an improved swarm intelligence methods to maximixe the lifetime of networks,** Design Engineering Vol10 PP456-461, Aug-2021.

11. **A Novel Intelligent Approach for Providing Security to the IOT Systems in Cloud Computing to combat Network Intrusions,** Advance Science Engineering Vol. 13, No. 4, (2022), pp. 4309–4315, Dec 2022.

12. **An Analysis of Factors Influencing Customers Online Shopping Behavior,** Advance Science Engineering Vol. 13, No. 4, (2022), pp. 4316–4320, Dec 2022.

13. **Artificial Intelligence in customer service : A review on Banking Industry,** Advance Science Engineering Vol. 13, No. 4, (2022), pp. 4330–4333, Dec 2022.

14. **Exploring The Funadamentals Of Human-Computer Commmunication:Advancements And Implications In HCI,** International Journal of Engineering and Techniques - Volume 9 Issue 3 pp 2567-2572, Oct 2023.

15. **Estimated posture for Human Elbow flexion in Acoustic Environment,** IEEE Explorer vol 12 Pgno:2740 -2745, October 2023.

16. **Machine Learning Based Customer Churn Prediction In Banking,** Journal The Seybold Report Journal May 2023. (Indexed in SCOPUS).

17. **Effective Network Intrusion Detection Modeling,** Journal The Seybold Report Journal May 2023. (Indexed in SCOPUS).

18. **Identification Of Pre Transaction Phase Components That Influence Customer's Online Shopping Behaviour,** Journal The Seybold Report Journal May 2023. (Indexed in SCOPUS).

National

1. **Distance measure-based Affinity-Propagation for Classifying Remote Sensing Images: A Comparative Analysis,** Karpagam JCS Vol.14 Issue 2 Jan. – Feb - 2020.

2. **Sleep and Awake scheduling Algorithm in QOS,** Karpagam JCS. Vol.11 Issue 2 Jan. - Feb. 2021.

Book Publications

1. **Fundamentals of Deep Learning,** Notion Press. ISBN 979-888849032-7.
2. **Neural Network and Deep Learning,** Scientific International publishing house, ISBN978-93-5757-311-5.
3. **Introduction to software testing,** Coimbatore Institute of Information technology, ISBN - 9789391347659.

Patent Published

1. INTELLIGENT PATH TRAVEL COST ESTIMATION IN LARGE-SCALE NETWORKS USING ADVANCED MACHINE LEARNING

2. IOT BASED SMART HOME SECURITY SYSTEM

3. BLOCKCHAIN BASED APPROACHES FOR MONITORING FRAUD DETECTIONS OF DIGITAL PAYMENT INDUSTRY 4.0

Participation in Seminars

1. **Introduction to Linux and RHCE Certification**, Maze net Solutions. Coimbatore. 31- Aug - 09 to 10-Sep- 09.
2. **Data Structures and Algorithms**, Sri Shakthi Institute of Engineering and Technology. Coimbatore. 19 – Feb - 10.
3. **Introduction to .Net Framework and C#**, PSG Tech, Coimbatore. 1- Jun -10 to 10 – Jun- 10 .
4. **Emerging Trends in Computer Research How and Why**, Bharathiyar University. Coimbatore. 9- Mar -11 to 10-Mar - 11.
5. **DRUPAL**, Sri Shakthi Institute of Engineering and Technology. Coimbatore. **2**-Jun-14 to 3-Jun-14.
6. **Rich Internet Applications,** Sri Shakthi Institute of Engineering and Technology. Coimbatore. 19-Feb-15 to 21- Feb-15.
7. **Android**, Sri Shakthi Institute of Engineering and Technology. Coimbatore. 6- Jul-15 to 8-Jul-15.
8. **Android app**, ICTACT-RVS College of engineering, Coimbatore. 10- Oct- 16 to 11- Oct.
9. **Network flow analysis,** CDAC, Trivandrum. 28- May- 20.
10. **AI & ML,** CDAC, Trivandrum 5- Jun-21.
11. **Cyber Security Multidisciplinary Approach**, Dr.M.G.R. Educational and Research Institute, chennai. 15- Aug- 22.
12. **SAP Basics**, Dr.M.G.R. Educational and Research Institute, chennai. 8- Sep- 22**.**

13. **Fundamentals of Deep Learning**, Dr.M.G.R. Educational and Research Institute, Chennai 15-Dec – 22.

Participation in Workshop

1. **Multimedia-3D Modeling and Animation**, Sri Shakthi Institute of Engineering and Technology. Coimbatore. 5-Feb- 10 to 6-Feb -10**.**
2. **NS-2 simulator**, Sri Shakthi Institute of Engineering and Technology. Coimbatore. 2- Apr-12 to 6- Apr- 12**.**
3. **PHP and MY SQL,** Sri Shakthi Institute of Engineering and Technology. Coimbatore. 11-Dec-13 to 13-Dec- 13.
4. **MATLAB-NLW MATLAB,** Rathinam College of arts and science. 17- Feb- 16.
5. **Ethical Hacking,** Rathinam College of arts and science. 24-Feb-16 to 25- Feb- 16.
6. **Intellectual Property Rights,** Sankara college of science and commerce. 21-Jul- 18.
7. **Bigdata,** Karpagam Academy of Higher Education. 5- Aug- 19.

Participation in Faculty Development Programme

1. **Internet on Things**, Bharathiar University, UTL Technologies. 10-Jul-17 to 11- Jul - 17**.**
2. **Outcome Based Education**, Sankara College of science and commerce. 23- Jun- 18.
3. **Introduction to PHP Programming**, Sankara College of Science and commerce. 24-Jul-18 to 25-Jul- 18.
4. **Big Data Analytics**, Karpagam Academy of Higher Education". 17-Dec-19 to18- Dec- 19.
5. **Challenges in Cybercrime and enforcement of Cyber security**, Dr. M.G.R. Educational and Research Institute, Chennai.6-Jul-20 to 12-Jul-20.
6. **Android Technology,** Dr.M.G.R. Educational and Research Institute, Chennai, 23-Aug-20.
7. **Data Drives**, Bishop cotton academy of professional management, Bangalore.9-Mar-21 to 11-Mar-21.
8. **Practical Probablistic modeling using Deep Learning**, Dr. M.G.R. Educational and Research Institute, Chennai. 25-Aug-22 to 11- Aug-22.
9. **Machine Learning and Deep Learning for Real Time Applications**, Dr. M.G.R. Educational and Research Institute, Chennai.11-Mar-23 to 17-Mar-23.
10. **Internet of Things for Emerging Technical Applications,**
    M.P.N AchimuthuM.Jagananthan Engineering college,12-Aug-24 to 17-Aug-24.

11. "Exploring New Frontiers in TeachingTools, AI and Data Analytics" organized by MEASI Institute of Information Technology, Royapettah, Chennai from 29-Jul-24 to
02-Aug-24.

12. 'Data Visualization and Analytics' with Excel, Power BI, Tableau and Generative AI organized by the PG Department of Computer Applicationsand IQAC of Marian College Kuttikkanam (Autonomous) in association with ipsr solutions limited and Valin - UK, USA and Canada
from 05 July 2024 to 11 July 2024.

Participation in Orientation Programme / Short Term Courses

1. **Deep learning Applications and Big Data Analytics,** Vellalar engineering college Chennai 5-Oct-20 to 10-Oct-20.

Conference / Seminar / Workshop Organized

1. Webinar, **Python basics and constructing a website in python**, Karpagam Academy of Higher Education. 16-Dec-20**.**
2. Webinar, **Basics in Animation,** Karpagam Academy of Higher Education. 23- Jun-22.
3. Webinar, **Introduction to Block Chain**, Karpagam Academy of Higher Education. 31 – Oct - 22**.**
4. Webinar, **Oracle Dev tools used in Real time Projects**, Karpagam Academy of Higher Education. 12-Dec- 22.
5. National Seminar,Machine Learning nroles in modern Education and Teaching in Indian Knowledge systems.4-July 2024.
6. Conference, **Exploring GAN applications in image generation and style transfer**,Erode Segundar Engineering college.Oct1 to Oct 3 2024.

Editorial / Review Board Member

1. Board Member, Kovai Kalaimagal College of Arts and Science since 2021.

Awards / Honors

Awards / Honors	Agency / Institute	Year of Award

Best Faculty for 100% Result	Sri Shakthi Institute of Engineering and Technology, Coimbatore	2009 to 2016