

**Name** : Dr. V.Sangeetha  
**Designation** : Assistant Professor  
**Department** : Computer Science with Data Analytics  
**Qualification** : MCA, Ph.D.  
**Experience** : Teaching-15 Years | Industry-2 Years | Research-7 Years  
**Specialization** : Networking, Machine Learning, Cloud Computing,  
Artificial Intelligence, Deep Learning  
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### Academic Qualifications

Degree	Branch	Institution / University Name	Year
Ph.D.	Computer Science	Anna University Chennai	2017
MCA	Computer Applications	Avinashlingam College for Women	2002
B.Sc.	Electronics	PSG College of Arts and Science	1999

### Research Publications (Indexed)

- **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).
- **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).
- **Big Data in Visual Analytics**, IOSR-International Organization of Scientific Research-Vol/Pgno 45-47, 2017. ISSN/ISBN 2278-0661.
- **Security Analysis using Network Protocols**, International Journal of Emerging Technologies and Innovative Research-ISSN/ISBN 2349-5162, 2018.
- **Web mining Techniques for Query log Analysis**, International Journal of Applied Engineering Research. ISSN 0973-4562, 2018.
- **Discovery of Web usage pattern using Latent Semantic Index**, International Organization of Scientific Research-ISSN/ISBN 2278-0661, 2018.
- **Anatomy of Big Data Computing**, International Journal of Applied Engineering Research. Volume 10 pp-31-34ISSN 0973-4562,2019.

- **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.
- **Distance measure-based Affinity-Propagation for Classifying Remote Sensing Images: A Comparative Analysis**, Karpagam JCS Vol.14 Issue 2 Jan.–Feb-2020.
- **Sleep and Awake scheduling Algorithm in QOS**, Karpagam JCS. Vol.11 Issue 2 Jan.-Feb. 2021.
- **Design of Deep learning Based Framework for satellite Image classification**, Vidyabharathi International Interdisciplinary Research Vol 3 pp245-252, May 2021.
- **Energy Aware Routing techniques for MANET using an improved swarm intelligence methods to maximize the lifetime of networks**, Design Engineering Vol10 PP456-461, Aug-2021.
- **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.
- **An Analysis of Factors Influencing Customers Online Shopping Behavior**, Advance Science Engineering Vol. 13, No. 4, (2022), pp. 4316–4320, Dec 2022.
- **Artificial Intelligence in customer service: A review on Banking Industry**, Advance Science Engineering Vol. 13, No. 4, (2022), pp. 4330–4333, Dec 2022.
- **Exploring The Fundamentals of Human-Computer Communication: Advancements And Implications In HCI**, International Journal of Engineering and Techniques-Volume 9 Issue 3 pp 2567-2572, Oct 2023.
- **Estimated posture for Human Elbow flexion in Acoustic Environment**, IEEE Explorer vol 12 Pgno:2740-2745, October 2023.
- **Machine Learning Based Customer Churn Prediction in Banking**, The Seybold Report Journal May 2023. (Indexed in SCOPUS).
- **Effective Network Intrusion Detection Modeling**, The Seybold Report Journal, May 2023. (Indexed in SCOPUS).
- **Identification Of Pre-Transaction Phase Components That Influence Customer’s Online Shopping Behaviour**, The Seybold Report Journal May 2023. (Indexed in SCOPUS).

### Book Publications

- **Fundamentals of Deep Learning**, Dr.V.Sangeetha, Notion Press. ISBN 979-888849032-7.
- **Neural Network and Deep Learning**, Dr.V.Sangeetha, Scientific International publishing house, ISBN978-93-5757-311-5.

- **Introduction to software testing**, Dr.V.Sangeetha, Coimbatore Institute of Information technology, ISBN-9789391347659.

### Participation in Seminars

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

### Participation in Workshop

- **Multimedia-3D Modeling and Animation**, Sri Shakthi Institute of Engineering and Technology, Coimbatore, 5-Feb-10 to 6-Feb-10.
- **NS-2 simulator**, Sri Shakthi Institute of Engineering and Technology, Coimbatore, 2-Apr-12 to 6-Apr-12.
- **PHP and MY SQL**, Sri Shakthi Institute of Engineering and Technology. Coimbatore. 11-Dec-13 to 13-Dec-13.
- **Matlab-NLW Matlab**, Rathinam College of Arts and Science. 17-Feb-16.
- **Ethical Hacking**, Rathinam College of Arts and Science. 24-Feb-16 to 25-Feb-16.

- **Intellectual Property Rights**, Sankara College of Science and Commerce, Coimbatore, 21-Jul-18.
- **Bigdata**, Karpagam Academy of Higher Education, Coimbatore, 5-Aug-19.

### Participation in Faculty Development Programme

- **Internet on Things**, Bharathiar University, UTL Technologies. 10-Jul-17 to 11-Jul-17.
- **Outcome Based Education**, Sankara College of Science and Commerce. 23-Jun-18.
- **Introduction to PHP Programming**, Sankara College of Science and Commerce. 24-Jul-18 to 25-Jul-18.
- **Big Data Analytics**, Karpagam Academy of Higher Education. 17-Dec-19 to 18-Dec-19.
- **Challenges in Cybercrime and enforcement of Cyber security**, Dr. M.G.R. Educational and Research Institute, Chennai, 6-Jul-20 to 12-Jul-20.
- **Android Technology**, Dr.M.G.R. Educational and Research Institute, Chennai, 23-Aug-20.
- **Data Drives**, Bishop Cotton Academy of Professional Management, Bangalore, 9 to 11-Mar-21.
- **Practical Probabilistic modeling using Deep Learning**, Dr. M.G.R. Educational and Research Institute, Chennai. 25-Aug-22 to 11-Aug-22.
- **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.

### Participation in Orientation Programme / Short Term Courses

- **Deep learning Applications and Big Data Analytics**, Vellalar Engineering College, Chennai, 5-Oct-20 to 10-Oct-20.

### Conference / Seminar / Workshop Organized

- Webinar, **Python basics and constructing a website in python**, Karpagam Academy of Higher Education. 16-Dec-20.
- Webinar, **Basics in Animation**, Karpagam Academy of Higher Education. 23-Jun-22.
- Webinar, **Introduction to Block Chain**, Karpagam Academy of Higher Education. 31-Oct-22.
- Webinar, **Oracle Dev tools used in Real time Projects**, Karpagam Academy of Higher Education. 12-Dec-22.

### Editorial / Review Board Member

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

**Awards / Honors**

<b>Awards / Honors</b>	<b>Agency / Institute</b>	<b>Year</b>
Best Faculty for 100% Result	Sri Shakthi Institute of Engineering and Technology, Coimbatore	2009 to 2016