

## PROFILE

**SANGEETHA SENTHILKUMAR**

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**Objective:** To have a challenging career in the field of Administration, Research and Teaching.

### **Educational Qualification:**

S.No	Degree	Institution	Duration	%	Class
1	Ph.D	Vinayaka Mission Research Foundation Deemed University, Salem.	Commended work.		
2	M.E.[CSE]	Kongu Engineering College, Perundurai.	2001-03	76.7%	I class with Distinction
3	B.E.[CSE]	Kongu Engineering College, Perundurai.	1995-99	74.4%	I class

### **Subject Expertise:**

- Principles of Compiler Design
- Theory of Computation
- Data structures
- Operating System
- Computer Networks

### **Professional Upgradation**

#### FDP/ Seminars/Workshops attended:

1. Attended Professional Development on Database Design and Programming with SQL Conducted by ORACLE ACADEMY-ICT from 03<sup>rd</sup> February,2017
2. Attended FDTP on CS6303-ComputerArchitecture conducted by Centre for Faculty Development, Anna University, Chennai at Oxford Engineering College, Trichy.

3. Attended FDP – Anna University, Chennai on “Network Protocol, Management And Security” at Sri Ramakrishna Engineering College, Coimbatore..
4. Attended One Day Workshop on “Intrusion Detection And Load Balancing In A Distributed System” at EGS Pillay Engineering College, Nagapattinam.
5. Attended Two Day International Workshop on “Middleware Technologies” at Jayaram College of Engineering and Technology, Trichy.
6. Attended One Day Workshop on “Software Development Trends In Technologies And Methodologies” at Bharathidasan University Technological Park, Trichy.
7. Attended One Day Workshop on “Pattern Recognition” at Periyar University, Salem.
8. Attended One Day National Workshop on “Medical Informatics And Telemedicine – Meditel - 08” at Oxford Engineering College, Trichy.
9. Attended AICTE sponsored Seminar on “Knowledge Discovery In Database And Data Warehousing at Kongu Engineering College, Perundurai.
10. Attended One Day International Seminar on “Latex” at Jayaram College of Engineering and Technology, Trichy.
11. Attended Seminar on “Wireless Communication” at Jayaram College of Engineering and Technology, Trichy

## **Research Profile**

### Area of Research

Enhancing E-Learning with VRML Techniques

### Area of Interest

Compilers, Theory of Computation, Brain to Computer Interface (BCI), VR techniques

### Professional Membership

- Member of CSI [Membership No.F8002274]
- Member of IAENG [Membership No: 123148]

### Proposals Submitted

- Proposal titled “**E-Healthcare Monitoring System for Rural Women**” was submitted to All India Council for Technical Education on 31/12/13(Not Selected).
- Proposal titled “**i Cash: Go Swipe, Go Smart, Go Safe**” was submitted to All India Council for Technical Education on 11/01/2017(Not Selected).

## **Publications:**

### Journals

1. The paper titled “Survey Analysis on Achieving Rendezvous in Cognitive Radio Networks” was accepted and invited to publish in International Proceedings of Computer Science and Information Technology (IPCSIT) ISSN:2010-460X.
2. The paper titled “A Survey Analysis on: Vision-Based Hand Gesture Recognition” was published in International Journal of Advanced Research in computer science and engineering and information technology (IJARCSEIT) volume:3 Issue:4,14-Nov-2014,ISSN\_NO:2321-3337.
3. The paper titled “A Survey Analysis on: Real Time Vision-Based Gestural Interface Recognition” was published in International Journal of Engineering Research and Technology(IJERT)
4. The paper titled “A Framework for data traffic in cognitive radio networks using trusted token analyzer scheme” was published in IJRET (e-ISSN: 2319-1163),volume 3 issue 3, March 14,2014
5. The paper titled “An efficient cell selection in cellular network with high scalability” is published in IJERT, Volume 3 – Issue 1,January 2014
6. The Paper titled “Knowledge Management In Mobile Learning (# Id 175)” was accepted at First International Conference on Industrial and Information System-IEEE (Sri Lanka Section).
7. The Paper titled “Enhancing E-Learning through VRML Techniques”, was published in IJCSI , November 2011 issue with ISSN 1694-0814.

### International Conferences

1. The paper titled “Cognitive radio networks using trusted token analyzer for QOS Management” was presented in International conference on advances in computer science and information technology at Vels university, Chennai.
2. The paper titled “Decentralized Cognitive Radio Network using Token Analyzer” was presented In International Conference on Computing, Communication and Electrical Technologies-2014 held on 4<sup>th</sup> and 5<sup>th</sup> April,2014.
3. The paper titled “An efficient cell selection in cellular network with more scalability” was presented in 3<sup>rd</sup> international conference on science and innovative engineering college at Jawahar engineering college, Chennai, held on April 5<sup>th</sup> and 6<sup>th</sup> 2014.
4. The paper titled “A Survey on improving efficiency in multicasting protocol for Adhoc networks was accepted in fourth international conference on advances in computer and communication held at Sun Engineering College.
5. The Paper titled “Evaluation Of Mobile Learning Technology With Feedback Systems” was presented at International conference on Socially Relevant Higher Education in India – SRHEI 2006, Cardamon Planters Association College, Theni.

6. The Paper titled “Virtual Reality Environment In Medicine” was presented at International conference on Researching for Transforming the Society, Mother Theresa Women’s University, Kodaikanal.

#### National Conferences

1. The paper titled “Improving efficiency in multicasting protocol for Adhoc networks” was accepted at 3<sup>rd</sup> National conference on challenges and innovations in information technology.
2. The Paper titled “Next Generation of Learning Technology” was presented at UGC Sponsored State Level Seminar on Web Technology, Islamiah College, Vaniyambadi.
3. The Paper titled “A Web Based Multimedia” was presented at National conference on Recent Trends in Networking and Distributed Computing, Pavendar Bharathidasan College of Engineering and Technology, Trichy.
4. The Paper titled “A New IP Algorithm” was presented at National conference on Distributed and Soft Computing, JJ College of Engineering and Technology, Trichy.
5. The Paper titled “Elimination Of Replicas In Peer-Peer Systems” was presented at National conference on Frontier Research Areas in Communication, Computer & Control Engineering -08, Kings College of Engineering, Thanjavur.
6. The Paper titled “Hids-Hybrid Ids with Weighted Signature and Ads” was presented at National conference on Innovation in Information Technology, Saranathan College of Engineering, Trichy & Infosys Technologies Limited.

#### **Appreciations & Credits:**

1. Cash award was received for producing 100% RESULT in the University Examinations held during the year 2006 -2007.
2. Appreciated for the service done in CSE ASSOCIATION during the year 2005-2006.
3. Acted as Organizing Chair Member for National level Conference on Recent Computing Techniques held on 9<sup>th</sup> & 10<sup>th</sup> March, 2007 at Jayaram College Of Engineering & Technology, Trichy.
4. Acted as Organizing Chair Member for Second National Conference on Emerging Trends in Advanced Computing held on 21 & 22 March, 2008 at Jayaram College Of Engineering & Technology, Trichy.
5. Acted as Organizing Chair Member for AICTE Sponsored National Seminar on Grid Computing And its Applications held on 5<sup>th</sup> & 6<sup>th</sup> May, 2008 at Jayaram College of Engineering & Technology, Trichy.
6. Acted as Organizing Chair Member for AICTE Sponsored SDP on Software Engineering & Case Tools Lab held on 19<sup>th</sup> to 28<sup>th</sup> May, 2008 at Jayaram College of Engineering & Technology, Trichy.
7. Acted as Organizing committee member for National conference on Emerging Trends in Engineering, Technology and Management held on 6<sup>th</sup> April, 2013 at Oxford Engineering College, Trichy.

8. Acted as Coordinator for Mini Project contest conducted by CSE department during the period Jan 2013.
9. Acted as PG Coordinator for the period June, 2013 to June,2014.
10. Acted as Coordinator for the Program titled “APP MARATHON” (24 Hours, 24 Teams, 100APPs) conducted on 17<sup>th</sup> and 18<sup>th</sup> September,2016 at Oxford Engineering College.
11. Acted as Coordinator for guiding the students for the submission of project proposals for Smart India Hackathon 2017.
12. Acted as Coordinator for the Workshop titled ”Computer Hardware Basics”
13. Acted as Project Coordinator and Guided 25 B.E Projects and 10 M.E Projects.