

## Faculty Profile



**Name:** S. VAIRACHILAI

**Designation:** Assistant Professor

**Teaching Areas:** Cryptography and network security, Operating System, Computer Programming, UNIX Operating System, Data structure and Algorithms, Soft Computing (AI, Fuzzy Concepts), Data mining and its applications

**Research interests:** Recommender System, Social Network Analysis

### Education:

- (Ph.D)-Information and Communication Engineering, Anna University, Chennai
- M.Tech -Computer Application, Kalasalingam University, Krishnankoil, 2011.
- MCA -Computer Application, V.V.Vanniaperumal College for women, Madurai Kamaraj University, 2009.
- B.Sc -Physics, N.M.S.S.V.N College, Madurai Kamaraj University, Tamilnadu, 1997.

### Total Professional Experience: (Total 7.1 years)

1. July 2016 - till date: Assistant Professor, Faculty of Science & Technology, IFHE, Hyderabad.
2. July 2015 - June 2016: Faculty Associate, Faculty of Science & Technology, IFHE, Hyderabad.
3. June 2011 – June 2015: Assistant professor, N.P.R College of Engineering and Technology, Tamilnadu.
4. August 2009 – Dec 2010: Lecturer, Kalasalingam University, Krishnankoil, Tamilnadu.

### Research / Selected Publications:

1. Analysis Of Statistical And Structural Properties Of Complex Networks With Random Networks, APPLIED MATHEMATICS & INFORMATION SCIENCES. Volume 11, No. 1, 1-9 (2017), Print ISSN 2325-0399, Impact Factor 0.94, Anna University Annexure 1.

- 2.** Alleviating the Cold Start Problem in Recommender Systems Based on Modularity Maximization Community Detection Algorithm, published in international journal Circuits and Systems, Vol.7 No.8 (June), Jun 2016, ISSN Print: 2153-1285ISSN Online: 2153-1293, Scientific Research Publication -Anna university Annexure 1.
- 3.** An algorithm to Mine Periodic and Frequent Subgraphs in Dynamic Social Networks Using R, The IUP Journal of Computer Sciences, volume X, Nos 1&2, Apr, 2016.
- 4.** Transparent user identity and overcoming a Sybil attack for secure social networks, published in Soft-Computing and Networks Security (ICSNS), 2015 International Conference on, 25-27 Feb. 2015, Page (s): 1– 4, Print ISBN:978-1-4799- 1752-5, DOI:10.1109/ICSNS.2015.7292379, IEEE.
- 5.** Public Key Cryptosystems using Chebyshev Polynomials Based on Edge Information, published in Computing and Communication Technologies (WCCCT), 2014 World Congress on, Feb. 27 2014-March,2014, Page (s): 243 – 245, Print ISBN: 978-1-4799- 2876-7, DOI: 10.1109/WCCCT.2014.21, IEEE.