

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

Research / Selected Publications:

1. S. Vairachilai1 M. K. Kavitha Devi and M. Raja, “Analysis Of Statistical And Structural Properties Of Complex Networks With Random Networks”, Applied Mathematics & Information Sciences, Vol. 11, No. 1, pp.1-9, 2017.
2. S. Vairachilai1 M. K. Kavitha Devi and M. Raja, “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,Jun 2016.
3. M. Raja, S. Vairachilai, R.Bala Murali, “An algorithm to Mine Periodic and Frequent Subgraphs in Dynamic Social Networks Using R”, The IUP Journal of Computer Sciences, Vo. X, No.s- 1&2, pp.7-17, Apr 2016.
4. S.Vairachilai, K. M. Ponsurya, and R. Poornima Priyanka, “Transparent user identity and overcoming a Sybil attack for secure social networks”, Soft-Computing and Networks Security, IEEE International Conference on, pp. 1 – 4, Feb, 2015,
5. S. Vairachilai, M. K. Kavithadevi, and R. Gnanajeyaraman, “Public Key Cryptosystems using Chebyshev Polynomials Based on Edge Information”, Computing and Communication Technologies, IEEE, pp. 243 – 245, 2014.