

FACULTY PROFILE



Name: Dr.S. VAIRACHILAI

Designation: Assistant Professor

Teaching areas: Operating System, Computer Programming, UNIX Operating System, Data structure and Algorithms Data mining and its applications

Research interests: Machine Learning, Big Data, Recommender System, Social Network Analysis

Education:

- Ph.D-Information and Communication Engineering,Anna University, Chennai,2018.
- M.Tech -Computer Application, Kalasalingam University, Tamilnadu, 2011.
- MCA -Computer Application, Madurai Kamaraj University, Tamilnadu2009.
- B.Sc -Physics, Madurai Kamaraj University,Tamilnadu,1997.

Total Professional Experience: (Total 10 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, “Comparative Analysis of Community Detection Algorithms on Complex Network Based on Modularity”, Journal of Computational and Theoretical Nanoscience, Vol.15, No. xx, pp.1-7, 2018. **(SCOPUS Indexed)**
2. Kartheeban Kamatchi, Hemalath Jeyaprakash & S.Vairachilai, “A New Secure Group Key Transfer Protocol in Big Data”, Journal of Advanced Research in Dynamical & Control Systems, Vol. 10, No.06, pp. 1888-1893, 2018. **(SCOPUS Indexed)**
3. 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.**(SCI Indexed)**
4. S.Vairachilai1 & R. Gnanajeyaraman, “QoS Improvement in Multi-Tier Cloud Environments”, Journal of Computational and Theoretical Nanoscience, Vol. 15, No. xx, pp. 1–6, 2018. **(SCOPUS Indexed)**
5. KarpagaSelvi Subramanian, S.Vairachilai & Tsadkan Gebremichael, “Features Extraction and Dataset preparation for Grading of Ethiopian Coffee Beans using Image Analysis Techniques”, Information and Communication Technology for Intelligent Systems, Vol.1 & 2, 2018. (583-594).**(Springer-SCOPUS Indexed)**
6. 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. **(SCOPUS Indexed)**
7. 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. **(SCOPUS Indexed)**