Faculty Name: Mr. R. Karthik

Educational Qualification:

Degree	Branch	Institution	Year
Ph.D.	**Information and Communication Engineering**	Anna University, Chennai	Synopsis Accepted
M.E.	**Computer Science and Engineering**	Kumaraguru College of Technology	2006
B.E.	**Information Technology**	Shanmugha College of Engineering (SASTRA)	2004

Experience:

Period	No. of. Years	Designation/Nature of job	Institution/Organization
From 01.06.2018	3 months	Assistant Professor	Sri Krishna College of Technology
May'16 to April' 18	2 years	Assistant Professor	SCAD Institute of Technology
Jun'15 to April'16	10 months	Assistant Professor & HoD (UG)	S Veerasamy Chettiar College of Engineering and Technology
Jun'09 to May'15	6 years	Assistant Professor (SG)	SVS College of Engineering
Dec'07 to May'09	1 year 6 months	Lecturer/CSE	Sri Shakthi Institute of Engineering and Technology
Dec'06 to Nov'07	1 year	Lecturer/IT	Coimbatore Institute of Engineering and Information Technology

- **Area of Specialization: Computer Algorithms and Computer Networks**

- **FDP/ Workshops Attended: 12**
  - Embedded Systems, TIFAC CORE, SASTRA, Thanjavur
  - Employable Training Course, SASTRA, Thanjavur
  - Open Source Software, PSGR Krishnammal College, Coimbatore
  - Open Source Software, SKCET, Coimbatore
  - Research in Engineering and Technology – Recent Trends, CIET, CBE
  - Introduction to Graph and Geometric Algorithms, PSG TECH, Coimbatore
  - Mobile Computing – Lab Perspective, JCET, Dharmapuri
  - Simulation and Emulation of Self Organized Networks (SEASON -2014) – Kongu Engineering College, Perundurai
  - Research and research skills, RVSCET, Coimbatore
  - Hardware and Networking, RVSCET, Coimbatore
  - NPTEL Online Certification Courses, IIT Madras

- **Seminars/Conferences Attended: NIL**

- **Events Organized: 04**
  - Hands on Training in Network Simulator – 2
  - Hands on Training in Multimedia Tools
  - Hands on Training in Windows Phone Application Development and Windows Azure
  - Workshop on Software Testing

- **International Journal: 08**

- Sabrigiriraj, M and **Karthik, R** 2017, **"Wide-sense nonblocking multicast in optical WDM networks",** Springer Journal of Cluster Computing, ISSN: 1386-7857 (Print) 1573-7543 (Online): pp. 1-6. https://doi.org/10.1007/s10586-017-1180-1 (Annexure 1) Impact Factor: 2.040.

- Dr. M. Duraipandian and **Karthik, R** 2017, **"Power Aware Node Selection in Multicast Routing in Mobile Adhoc Network",** 2nd IEEE International Conference on Intelligent Sustainable Systems, **(Published in IEEE xplore, June 2018)**

- **R. Karthik** and Ramitha R.A. **"Reliable Multicast and Energy Conservation in MANET: A Survey",** *IOSR Journal of Computer Engineering (IOSR-JCE) e-ISSN: 2278-0661, p- ISSN: 2278-8727Volume 16, Issue 2, Ver. VIII (Mar-Apr. 2014), PP 08-15* *www.iosrjournals.org*

- **R. Karthik** and Ramitha R.A. **"A Reliable Power Aware Multicast Algorithm for MANET",***International Journal of Advanced Information Science and Technology (IJAIST) ISSN: 2319:2682Vol.23, No.23, March 2014*

- R.Krithigarani and **R.Karthik** "**An Enhanced Detection of Outlier using Independent Component Analysis among Multiple Data Instances via Oversampling",** *IOSR Journal of Computer Engineering (IOSR-JCE) e-ISSN: 2278-0661, p- ISSN: 2278-8727Volume 16, Issue 2, Ver. VIII (Mar-Apr. 2014), PP 31-34* *www.iosrjournals.org*

- A. Anitha and **R.Karthik "A Survey on Energy Efficient and Reliable Routing for Ad hoc Wireless Networks to Maximize the lifetime of network",** *IJCST, ISSN: 2347-8578, Volume 2, Issue 5, (Sep. 2014).*

- A. Anitha and **R.Karthik "Energy Efficient and Reliable Routing with Distributed scheme to Improve performance and the lifetime of wireless AdHoc Networks",** *IJERGS, ISSN: 2091-2730, Volume 3, Issue 1, 2015.*

- A. Anitha and **R.Karthik "Energy Saving DSR and Probabilistic Rebroadcast Mechanism are used to increase routing performance in MANETs",** *IJTET, ISSN: 2349-9303, Volume 3, Issue 2, 2015.*

- **International / National Conferences: 08**

  o International Conference on "Innovations in Communications and Computer Engineering" organized by International Journal for Trends in Engineering and Technology, ISSN: 2349-9303, at Coimbatore Institute of Technology, Coimbatore, Tamil Nadu.

  o National Conference on **'Recent Trends in Computer Networking and Communications'** organized by Bannari Amman Institute of Technology, sathyamangalam, Tamil Nadu

  o National Conference on **'Versatile Automation'** organized by SNS College of Engineering, Coimbatore

  o National Conference on **'Intelligent Information and Computing Technologies'** organized by RVS College of Engineering and Technology, Coimbatore

  o National Conference on **'Innovations in Computers Information and Communication'** organized by Easa College of Engineering and Technology, Coimbatore

  o NCACT'14 organized by sasurie college of engineering, Vijayamangalam

  o National Conference on **'Recent Trends and Advances in Information Technology'** organized by Karpagam University, Coimbatore

  o National Conference on **'Recent Trends in Information and Communication Engineering'** organized by Tamilnadu College of Engineering, Coimbatore

- **Funded/Consultancy Projects: NIL**

- **Patent: NIL**

- **Guest Lectures Delivered: 06**
  - Delivered an invited talk on "E-Guidance on careers and further studies" in NCICT-2016, at SSBN Degree and PG College, Anantapur, Andhrapradesh on 17.12.2016.
  - Handled Faculty Development Programme on "Training of Trainers (ToT)", at SCAD Institute of Technology, Palladam during 02.02.2018 to 07.02.2018.
  - Delivered a lecture on "Analysis of Algorithms" at Jay Shriram Group of Institutions, Tirupur on 03.02.2011.
  - Delivered a lecture on "Software Process and Project Management" at Sasurie College of Engineering, Vijayamangalam, Tirupur on 09.10.2014.
  - Delivered a lecture on "Design and Analysis of Algorithm" at SCAD Institute of Technology, Palladam on 29.01.2016.
  - Delivered a lecture on "Grid and Cloud Computing" at RVS College of Engineering and Technology, Sulur on 20.09.2017.

- **Certifications:**
  - "Software Testing" course at Mazenet Solutions, Coimbatore
  - a course on "Internal Auditing of Quality Management System" ISO 9001:2008 at Nathan & Nathan Consultants Pvt. Ltd., Bangalore

- **Industrial Connect Activities: NIL**

- **Online courses completed: NIL**

- **Membership In Any Professional Body / Institute / Society Others: IEEE**