

# CURRICULUM VITAE

## **Dr. L .P. RAJ KUMAR**

Assistant Professor  
Department of Mathematics  
Kakatiya University  
Warangal, Telangana.  
INDIA-506009  
Phone: 091-98491 33398  
**E-mail:lp\_raj8@yahoo.com**

---

## **ACADEMICS**

### **Present Position**

Assistant Professor, Department of Mathematics, Kakatiya University, A.P., India.

### **Ph.D. Programme**

Department of Mathematics, Kakatiya University, India

Title of Thesis: Performance Study of Internet Router using Matrix Queueing Theory

Supervisor: Dr. P. Malla Reddy

Duration: **2007-2011**

**1995-1997:** M. Sc. (Mathematics), Second Division, Kakatiya University, India

**1991-1994:** B. Sc. (Maths, Physics, Computer Science), Second Division, Kakatiya University

## **Academic Achievement**

- **Organizing Secretary**, International Conference on Vibration Problems(ICOVP-2015) held at Department of Mathematics, Kakatiya Mathematics, Warangal during February 18-20, 2015.
- Sanctioned a Major Research Project entitled, "*Performance Study of Optical Packet Switch( OPS ) in Internet Traffic Using Matrix-Geometric Solutions*", by UGC – New Delhi, for a period of 3 Years from March 2013 to March, 2016.
- **CERTIFICATE OF MERIT** for Oral Paper Presentation from International Association of Engineers in International Conference on Communication Systems & Technology, October 20-22, 2010, WCECS-2010, San Francisco, USA.

## **Administrative Responsibilities**

- **Principal**, KU College of Engineering & Technology, Kakatiya University form August' 2011 to October 2013.
- **Data Auditor(TEQIP- Phase-II)**, JNTUH, organized by APSCHE, Hyderabad from July 2012 to October 2016.
- **Nodal Officer**, Kakatiya University, Warangal from October 2013 to till date.

## **Teaching Experience**

- From February 2007 to till date, Department of Mathematics, Kakatiya University, India.

- From June 2001 to January 2007, Department of Mathematics, Thushara Degree & PG College, Hanamkonda.
- From December 1998 to May 2000, Department of Mathematics, ASM College for Women, Warangal.

### **Symposium Organized**

- **Convener**, KLEIO'12, National Level Technical Symposium, held at Kakatiya University, India, during February 3-5, 2012.

### **PERSONAL INFORMATION**

Male, Indian National, Born on 15<sup>th</sup> July, 1974 and Married.

### **LIST OF TOP FIVE(05) PUBLICATIONS**

1. Loss behaviour analysis of asynchronous internet switch under self-similar traffic input using MMPP/PH/c/K queueing system employing PBS mechanism, *Int. J. Communication Networks and Distributed Systems*, Vol. X, No. Y (On Print)
2. Steady state probability vector of positive definite regularized linear systems of circulant stochastic matrices, *Journal of Linear and Multilinear Algebra*, ISSN: 0308-1087 (Print) 1563-5139 (Online) Journal homepage: <http://www.tandfonline.com/loi/glma20>, May 2016 (Taylor & Francis)
3. Approximate Markovian Model for Delay Behavior of Internet Router under Self – Similar Traffic Input, *Journal of Interdisciplinary Mathematics*, Vol. 14,3, pp. 321-329, 2011. ISSN: 0972-0502 (Print) 2169-012X (Online) Journal homepage: <http://www.tandfonline.com/loi/tjim20> , 28 May 2013. (Taylor & Francis)
4. Approximate Modeling for Delay Behavior of the Switch under Self-Similar Variable Length Packet Input Traffic, *IAENG Transactions on Engineering Technologies*, AIP Special Edition of the World Congress on Engineering and Computer Science – 2010, Vol.1373, pp.113-122,2011.
5. Performance Analysis of Internet Router Employing Partial Buffer Sharing Mechanism under Markovian Modelled Self-Similar Variable Packet Length Input Traffic, *International Journal of Pure & Applied Mathematics*, Vol. 67, 4, pp. 407-421, 2011.

### **Text Books**

1. Descriptive Statistics and Probability Distributions : ISBN : 978-93-272-3576-0
2. Statistical Methods and Inference: ISBN : 978-93-272-3970-6, 2014-15
3. Mathematical Expectation and Probability Distribution: ISBN : 978-93-272-3970-6.