CURRICULUM VITAE

Dr. L .P. RAJ KUMAR
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ACADEMICS

Present Position

Associate Professor, Department of Mathematics, Kakatiya University, Telangana, India.

Ph.D. Programme

Department of Mathematics, Kakatiya University, India

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

Supervisor**:** Prof. P. Malla Reddy

Awarded Year : **2011**

1995-1997: M. Sc. (Mathematics), Kakatiya University.

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

1997-1998 : B.Ed. (Maths, Physics) , Osmania University.

Academic Achievements

- **Associate Fellow** in Mathematical and Physical Sciences by **Telangana Academy of Sciences**, Telangana State.

- **Organizing Secretary**, International Conference on Vibration Problems(ICOVP-2015) held at Department of Mathematics, Kakatiya University, Warangal during February 18-20, 2015.

- **Editor**, **Journal of Physics: Conference Series 662(2015)** published by Institute of Physics, London. UK (ISBN 10.1088/1742-6596/662)

- Completed a **Major Research Project** entitled, ***"Performance Study of Optical Packet Switch(OPS) in Internet Traffic Using Matrix-Geometric Solutions",*** funded by UGC – New Delhi, for a period of 4 Years from March, 2013 to March, 2017.

- **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.

- **Session Chair**, International Conference on Communication Systems & Technology, October 20-22, 2010, WCECS-2010, San Francisco, USA.

- **Coordinator,** One Week (Online) Faculty Development Program on Latex and Technical Writing Skills organized by Department of Mathematics, Kakatiya University.

- **Coordinator,** One Week (Online) Faculty Development Program on Real Analysis organized by Department of Mathematics, Kakatiya University.

- Co-Coordinator, National Level Workshop on Srinivasa Ramanujan Inventions and Abstract Algebra organized by Department of Mathematics, Kakatiya University in Association with TSCOST, Telangana State.

Teaching Experience

- From November 2019 to till date, as Associate Professor, Department of Mathematics, Kakatiya University, India.
- From February 2007 to November, 2019, as Assistant Professor, Department of Mathematics, Kakatiya University, India.
- From June 1998 to January 2007, as Assistant Professor, Department of Mathematics, Thushara Degree & PG College, Hanamkonda.

Administrative Responsibilities

- **Principal**, KU College of Engineering & Technology, Kakatiya University form August' 2011 to October 2013.
- **Data Auditor (TEQIP- Phase-II**), Jawaharlal Nehru Technological University Hyderabad organized by APSCHE, Hyderabad from July 2012 to October 2016.
- **Nodal Officer,** Kakatiya University, Warangal from October 2013 to July, 2017.
- **Chairman, Board of Studies in Mathematics**, Kakatiya University from September, 2017 to September, 2019.
- **Additional Controller of Examinations(Professional & EDP),** Kakatiya University, from July, 2017 to September, 2019.
- **Head, Department off Mathematics**, Kakatiya University from September, 2019 to September, 2021.
- **Coordinator, Anti-Plagiarism Cell,,** Kakatiya University from June, 2021 to till date.
- **Director, Dr. B.R. Ambedkar Studies Center**, Kakatiya University from January, 2022 to till date.

Social Responsibilities

- **Governing Body Member**, Pragathi Seva Samithi, Telangana a Volunteer Organization which mainly focuses on Health, Education, Women Empowerment etc., and I support on Career Development.
- **Member**, World Vision India, and sponsorer of a Child Koushik Deka for his basic Education.
- **Video Lectures** on Youtube with URLs**,** which mainly focus on career guidance.
  https://www.youtube.com/watch?v=z7-jISTVVj0,
  https://www.youtube.com/watch?v=cgktKIA6tco
  https://www.slideshare.net/RAJKUMAR2457/constructors-and-destructors
  https://www.slideshare.net/RAJKUMAR2457/inheritance-in-C++-238974259
- **Co- Author**, Textbooks for Under Graduate Students from Kalyani Publishers, New Delhi with ISBNs :
  Descriptive Statistics and Probability Distributions, ISBN : 978-93-272-5701-4
  Probability and Distributions: ISBN : 978-93-272-7360-1
  Mathematical Expectation and Probability Distribution: ISBN : 978-93-272-3970-6

Academic Memberships

- **Member**, Telangana Academy of Sciences.
- **Member**, Indian Mathematical Society.
- **Member**, Andhra Pradesh Society for Mathematical Sciences.
- **Member**, International Association of Engineers.

Conferences/Workshops/Orientation Pragrammes/Refresher Courses attended

Sl.No.	Nature of Activity	Period
1	International Conference on Stochastic Process and Applications, IISc Bangalore.	July 16-21, 2007
2	International Conference on Networks(ICON'2008), IIT Roorkee.	December 12-14, 2008
3	World Congress on Engineering and Computer Science 2010 Vol I, pp 243-247, WCECS 2010, San Francisco, USA.	October 20-22, 2010
4	International Conference on Vibration Problems(ICOVP-2015), Kakatiya Univrsity, Warangal.	February 18-20, 2015.
5	Orientation Programme, UGC-ASC, Osmaina University.	June 22- July 18, 2009
6	Refresher Course in Mathematics, UGC-ASC, University of Kerala.	June 21-July 12, 2011
7	Refresher Course in Mathematics, UGC- HRDC, University of Hyderabad.	September 03- 23, 2015
8	Scientific Computations with PHYTON, Faculty Development Programme, E & IT Academy, National Institute of Technology, Warangal.	November 20-25, 2018
9	AI & Machine Learning for Real Time Applications, Faculty Development Programme, E & IT Academy, National Institute of Technology, Warangal. November 19-23, 2019	November 19-23, 2019

PERSONAL INFORMATION

Male, Indian National, Born on 15th July, 1974 and Married.

List of First Five Publications

1. Malla Reddy Perati, Rajaiah Dasari, L.P. Raj Kumar, Convergence Analysis of Modified Triangular and Triangular Splitting Method for the Solution of Regularized Linear System-Circulant Matrices, International Journal of Applied Engineering Research, ISSN 0973-4562 Volume 13, Number 9 (2018) pp. 6751–6759

2. Ravi Kumar Gudimalla, L.P. Raj Kumar, Malla Reddy Perati, 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)Engineering Indexed*

3. Rajaiah Dasari, Rajkumar L. P**.** & Malla Reddy Perati, 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)

4. Malla Reddy Perati**,** L.P.Raj Kumar, D.Mallikarjun Reddy, 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 (Taylor & Francis)

5. L.P Raj Kumar, K. Sampath Kumar, D. Mallikarjuna Reddy, Malla Reddy Perati, Analytical Model for Performance Study of Switch under Self-Similar Variable Length Packet Traffic, Vol.1, Lecture Notes on Engineering and Computer Science , WCES-2010, 20-22 Oct. 2010, IAENG, San Francisco, USA, pp. 243-247, ISBN: 978-988-17012-0-6.