

**VANDRANGI RAVINDRANATH**  
**Jawaharlal Nehru Technological University Kakinada**  
**KAKINADA**

**Present Position**

**Professor & Head**

**Department of Mathematics**

JAWAHARLAL NEHRU TECHNOLOGICAL  
UNIVERSITY, KAKINADA

COLLEGE OF ENGINEERING, KAKINADA.

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**Contact**

**Residence**

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**Date and Place of Birth:** 19<sup>th</sup> September, 1962, Srikakulam P.O. & Dist.

**Qualifications.**

1. **PhD (Mathematical Statistics), 1996-** Department of Mathematics, Indian Institute of Technology, New Delhi.
2. **M.Sc., (Mathematics), 1984** – Department of Mathematics, Indian Institute of Technology, Kharagpur.
3. **B.Sc. (Mathematics, Physics & Chemistry), 1982** Govt. College, Srikakulam.

**Area of Specialization:**

- (1) Mathematical Statistics
- (2) Operations Research

## Professional History:

- Worked as **Lecturer in Mathematics** for twelve years at J.N.T.U College of Engineering, Kakinada during 1985-1993.
- Worked as **Lecturer in Mathematics (Senior Scale)** Department of Mathematics, J.N.T.U. College of Engineering, Kakinada in 1993-1996.
- Worked as **Associate Professor in Mathematics**, Department of Mathematics, J.N.T.U. College of Engineering, Kakinada in 1996-2003.
- Working as **Professor of Mathematics**, Department of Mathematics, J.N.T.U. College of Engineering, Kakinada from 2005-till date.

## Academic Achievements

**Teaching Experience:** **23 Years in U.G and P.G** involving B.Tech, M.Tech., M.C.A courses.

### Subjects taught during the Service

- (1) Calculus & Laplace Transforms
- (2) Numerical Methods, Partial Differential Equations, Fourier Transforms
- (3) Complex Variables
- (4) Operations Research
- (5) Probability & Statistics

### Administrative Experience:

1. Worked as **Officer in-charge of Exams**
2. Working as **HEAD** since February **2005** till to date.

## Academic positions

1. **Chairman of Board of Studies in Mathematics**  
College of Engineering (Autonomous), Kakinada, since **2005**
2. **Governing Body Member** for Gudlavalleru Engineering College since **2006**.
3. Member **College Academic Committee**, JNTU College of Engineering (Autonomous), Kakinada.since 2005
4. **Subject Expert, Paper setter** and **Examiner** for various Mathematics and Statistics subjects in JNTU, Andhra University, Sri Venkateshwara University etc.
5. **Resources Person** for various AICTE / ISTE sponsored FDP programmes
6. **Visiting Faculty** in M.S.N.A.U.P.G.Centre, Kakinada.
7. **Academic Counselor for IGNOU** for the subjects Quantitative Techniques,

Statistics, Operations Research and Research Methodology at Kakinada study centre.

8. Member **Fact Finding Committees** for Jawaharlal Nehru Technological University affiliated Colleges.

### Research Guidance:

Course	Name	Title of Dissertation	Reg. year	Completed year
<b>MBA</b>	Mr.S.Bheema Sankaram	Optimal Scheduling of Crew to Route Buses with uniform layover time: A case study of Kakinada Bus Depot", School of Management Studies, Indira Gandhi National Open University, New Delhi-110 068	1998	1999
<b>M.Phil</b>	Mr. I.Srinivasa Rao	Natural convection of the Fluid Motion, Jawaharlal Nehru Technological University, Hyderabad-500072	2005	2004
<b>M.Phil</b>	Mr. Sri Kameswara Rao	Optimal procurement of chemicals for laboratory classes: A Linear Programming Model	2003	2004
<b>M.Phil</b>	Ms.G.V.Krishna Satya	Least Square Estimation of weights and the intensity preferences in AHP framework	2003	2008
<b>Ph.D</b>	Mrs.Pappu Kousalya	Stochastic Vector Method in the framework of Analytical Hierarchy Process with application to Educational Management, Jawaharlal Nehru Technological University, Hyderabad-500072	2003	2008
<b>Ph.D</b>	Mrs.M. Madhaviatha	Two warehouse Inventory Management Problems	2006	-

### Resource Person AICTE/ISTE

1. Convergence of LMS/Recursive Algorithms in Adaptive Signal Processing, delivered in AICTE Short Term Course on Adaptive Signal Filtering Techniques. Department of Electronics and Communications Engineering, JNTU College of Engineering, KAKINADA., December, 1996.
2. Statistical Approaches to Data Mining, Invited lecture in the Proceedings of ISTE; AICTE sponsored Short Term Training Programming on Data Warehousing and Data Mining Techniques conducted by National Institute of Technology, WARANGAL-April,2004.

3. Data Mining and its applications, Invited lecture delivered at Department of Computer Science, Bapatla College of Engineering, in a short term FDP course sponsored by ISTE and AICTE.
4. Univariate and Multivariate statistics and their uses in Data mining applications, Invited talk delivered at Department of Computer Science and Engineering, Prakasam College of Engineering, Kandukuru in a short term FDP course sponsored by ISTE and AICTE.
5. Statistical Methods in Data mining applications-Lecture delivered at Department of Computer Science and Engineering, VR Siddardha Engineering College-A short term FDP programme sponsored by ISTE and AICTE.

## RESEARCH PUBLICATIONS

**Total No. of Publications: 10**

### Conferences/Seminars

1. **(with P.Vijaya Kumar and N.Appa Rao)** "A study on Quality of life in towns through Civic Amenities-A case study of Srikakulam District, XXIII Annual Conference, Andhra Pradesh Economic Association, School of Economics & School of Distance Education, Andhra University, Visakhapatnam, 12-13 Feb. 2005, p488.
2. **(with N.Appa Rao and P.Vijaya Kumar)**, "A Study on quality of life in towns: A Principal component analysis approach" National Seminar on Changing Pattern of the Workforce in India in the new millennium-Policy Imperatives, Dept. of Economics, Andhra University, Vishakapatnam, 30-31stDec. 2004, p.172.
3. **(With Vijayalaxmi, A.)** "Finding Optimum Inspection Intervals to Maintenance Data: Logistic Regression Approach", National Symposium of Mathematical Applications, Department of Mathematics, IIT, Madras, December-2003.

### International Journals

1. **(With Handa, B.R. and Kambo, N.S.)** "UMVU Estimation of Functions of Truncation Parameters of Several Populations", IAPQR Transactions, vol. 21, No. 1, pp. 29-38. 1996.
2. **(With Handa, B.R. and Kambo, N.S.)**"Estimation of the Smaller and Larger of Truncation Parameters of Two Non-regular Distributions", Communications in Statistics: Theory and Methods, vol. 26, 2439-2456, 1997.
3. **(With Srinivas Kumar, S., Chatterjee, B.N.)**"Comparative performance of Rank Correlation techniques in Stereo Correspondence in Stereo Images", presented in International Conference on Recent Advances in Mathematical Sciences, ICRAMS-2000, held at I.I.T., Kharagpur, December 2000.

4. **(With Apparao, N., Vijayakumar, P, Ramachandrudu,G)**" Urbanisation Trends in Andhra Pradesh: A Region-wise Study ", Asian Economic Review, Vol. 46, No. 1, 68-74,2004.
5. **(With Vijayalaxmi, A.)** "Finding Optimum Inspection Intervals to Maintenance Data: Logistic Regression Approach", Communicated to International Journal of Quality, Productivity and Reliability, Feb-2004.
6. **(With Apparao, N, Vijaya Kumar, P.)** " A Factor Model for Quality of Life in Towns: A Case Study of East Godavari District", Asian Economic Review,Vol. 48, No.2, August 2006.
7. **(with Kousalya and VizayaKumar, K)**" Student Absenteeism in Engineering Colleges – Evaluation of Alternatives using AHP",Journal of Applied Mathematics and Decision Sciences, Vol.1, pp:1-26 , December 2006.

#### **Books Authored**

1. **(with Vijayalaxmi, P)** " A Text Book on Mathematical Methods ", Himalaya Publishing House, Mumbai, 2006.