

Brief CV of

**Prof. KUDA NAGESWARA RAO, B.E., M.Tech., Ph.D**



**PERMANENT ADDRESS:**

Karakaput Village  
**PADERU**  
Visakhapatnam – 531024  
A.P., India

**OFFICE ADDRESS:**

**Professor**  
Dept. of Computer Science & Systems Engg.  
A.U College of Engineering (A), **ANDHRA UNIVERSITY**  
Visakhapatnam-530 003, A.P., INDIA

**Email :** knraoauce@gmail.com **Mobile :** 99638 47111 **Website :** www.andhrauniversity.edu.in

**1. Educational Qualifications:**

<b>Programme</b>	<b>Specialization</b>	<b>College/University</b>
B.E	Electronics and Communication Engineering	College of Engineering, GITAM, Visakhapatnam
M.Tech	Computer Science and Technology	Andhra University College of Engineering, Visakhapatnam
Ph.D	Computer Science and Engineering	JNTUK, Kakinada
PGDCL	Cyber Laws	NALSAR University of LAW, Hyderabad (Pursuing)

**2. Present Position**

**: Professor**

Dept. of Computer Science & Systems Engineering  
A.U College of Engineering (A), **Andhra University**  
Visakhapatnam-530 003, A.P., INDIA

**: Camp Officer, A.P.S.C.H.E Online Admissions Centre, AU**

**3. Total Teaching Experience : 20 Years**

**4. Administrative Experience : 15 Years**

**5. Research Guidance for Ph.D : (Ongoing): 12, Awarded: 03**

**Thesis Title (2016):** Artificial Techniques for Clustering Protocols Design and Optimization in Wireless Sensor Networks (ANDHRA UNIVERSITY)

**Thesis Title (2015):** Three node Tandem Communication Networks with Dynamic Bandwidth Allocation having Homogeneous Poison Bulk Arrivals  
(ANDHRA UNIVERSITY)

**Thesis Title (2014):** Two node Tandem Communication Networks having Compound Poison Binomial Bulk Arrivals with Dynamic Bandwidth Allocation and their Optimal Policies  
(ANDHRA UNIVERSITY)

**6. Awards Received:**

- Academic Excellence Award** for the year 2010 by Helping Hands Association
- Young Academician Award** for the Year 2011 by Saraswamma Educational Society.

## **7. Membership in Professional Bodies:**

1. Life Member- ISPS
2. Life Member- ISTE
3. Member- Indian Science Congress Association (ISCA)
4. Member- Computer Society of India (CSI)
5. Member- IETE
6. Member – International Association of Engineers (IAENG).
7. Member- ACM- Computer Science Teachers Association (ACM-CSTA, New York)
8. Member-International Association of Computer Science & Information Technology (IACSIT), Singapore

## **8. Research Interest: Computer Networks, TCP/IP, Internet Technologies, Telematics, Wireless Networks, Wireless Sensor Networks, Data Communications, Software Engineering.**

## **9. Details of Research Publications & Research Activities: No. of Research Publications: 51**

- |  |      |
|--|------|
| a. Papers Published in International Journals              | : 29 |
| b. Papers presented in National/International Conferences  | : 22 |
| c. Invited Talks/attended National/International Workshops | : 12 |
| d. Invited Talks delivered in State/Regional Seminars      | : 24 |
| e. International Conferences Conducted                     | : 01 |
| f. International/National Workshops Conducted              | : 03 |
| g. Chaired Sessions in International Conferences           | : 02 |
| h. Chaired Sessions in National Conferences                | : 02 |
| i. Invited Talk in National Conferences                    | : 01 |
| j. Refresher Courses/SDP/FDP                               | : 05 |

## **10. Administrative/Additional Duties in the University**

- a. **Camp Officer** for **A.P.S.C.H.E Online Admissions Centre**, Andhra University 2016-Till date
- b. **Member, Departmental Committee (DC)** from 2017 to till date
- c. **Member, Board of Studies (BOS)** for Computer Science and Engineering from 2015 to till date
- d. **University Webmaster** from 26-12-2012 to Sept 2016
- e. **Member, Departmental Committee (DC)** from 06-06-2012 to 2015
- f. **Member, Departmental Research Committee (DRC)** from 26-07-2013 to 2015
- g. **Member, Campus Networking Committee**, AU College of Engineering (Autonomous) from 2012 to till date
- h. **Camp Officer** for **A.P.S.C.H.E Online Admissions Centre**, Andhra University 2014-2015
- i. **Member, Advisory committee, AUCET-2016**
- j. **Member, Advisory committee, AUEET-2016**
- k. **Member, Advisory committee, AUCET-2015**
- l. **Member, Advisory committee, AUEET-2015**
- m. **Member, Advisory committee, AUCET-2014**

- n. **Member, Advisory committee, AUEET-2014**
- o. **In-charge of Software Labs** in the Department from may 2012 to till date
- p. **Member, Departmental Committee (DC)** from 2006 to 2009
- q. **Nominated as Chief Superintendent** for conducting III year B.E/B.Tech/ B.Arch/BE+ME/B.Tech+M.Tech – Ist semester examinations, October 2011.
- r. **Nominated as Chief Teacher Associate** for conducting III year B.E/B.Tech/ B.Arch/BE+ME/B.Tech+M.Tech – Ist semester examinations SPOT Valuation, Nov 2011.
- s. **Nominated as Chief Superintendent** for conducting II & III year B.E/B.Tech/ B.Arch/BE+ME/B.Tech+M.Tech – Ist semester advanced Supplementary examinations, August 2012
- t. **Nominated as Chief Teacher Associate** for conducting II & III year B.E/B.Tech/ B.Arch/BE+ME/B.Tech+M.Tech – Ist semester advanced Supplementary SPOT Valuation, September 2012

### 11. Details of R&D and Consultancy works:

Sl.No.	Name of the Organization	Work details	Cost in Rs.
1	<b>Visakhapatnam Urban Development Authority (VUDA)</b> A statutory Autonomous body of Govt. of A.P	S/W Development, Website Design & Development, Network Management and Maintenance	<b>13 Lakhs Per Annum (2013-2019)</b>
2	<b>The Chodavaram Co-Operative Sugars Limited, Govada, Visakhapatnam</b>	S/W Development, Website Design & Development, Network Management and Maintenance	<b>5 Lakhs (2013-2014)</b>
3	<b>Deputy Commissioner of Police, Traffic, Visakhapatnam</b>	Software for Pre-Paid Taxi Service at Visakhapatnam Air Port, Visakhapatnam.	<b>50,000 (2008)</b>

### 12. Project Works Guided:

- a) **M.Tech** projects guided : **120**
- b) **B.Tech** projects Guided : **80**
- c) **M.C.A** projects guided : **50**
- d) **M.Sc (CS)** projects guided : **15**

### 13. International Journals: Papers published

- Intelligent Clustering Protocol Design and Optimization in Wireless Sensor Networks - International journal of Communication Networks and Distributed Systems, **Inderscience**, **2018**, Vol.20, No.2 pp.190-213.
- Evolutionary based Clustering Protocol in Wireless Sensor Networks", Journal of Wireless Networks, Springer, 2018, Under Review
- Cluster Optimization based on Metaheuristic Algorithms in Wireless Sensor Networks - Journal of Wireless Personal Communications, **Springer**, **2017**, Vol.97, No.2, pp 2633-2647.
- Fuzzy based Distributed Cluster Formation and Route Construction in Wireless Sensor Networks - International Journal of Computer Applications, Foundation of Computer Science (FCS), **New York, USA**, **2016** Vol. 140, No.5, pp.21-27.

5. Fuzzy C-Means Clustering Algorithm for Optimization of Routing Protocols in Sensor Networks - International Journal of Computer Science and Network, **2016**, Vol. 5, No.2, pp.353-359
6. Effective Prediction of Performance Metrics of a Communication Network with Dynamic Bandwidth Allocation having Homogeneous Poisson Bulk Arrivals - Conference proceedings-2015 National Conference On Recent Trends in Mechanical, Electrical, Electronics, Civil, Computer Science and Information Technology (MECIT-2015) **Nov 2015**, JN University, New Delhi
7. A Three Stage Communication Network Model with Homogeneous Bulk Arrivals and Dynamic Bandwidth Allocation, International Journal of Computer Science and Issues, Vol.12, Issue 2, **March 2015**, ISSN NO: 1694-0784, IF=0.242
8. Steady State Analysis of a Three Stage Communication Network with DBA and Batch Arrivals, IJCSIT, Vol.6, Issue 2, **April 2015**, ISSN NO: 0975-9646, IF=3.32
9. Steady State Analysis of a Three Node Tandem Communication Network Model with DBA having Homogeneous Compound Poisson Direct Bulk Arrivals at Node 1 And Node 2., International Journal of Computer Applications, Vol.129, Issue 4, **November 2015**, ISSN NO: 0975-8887, IF=0.715
10. Transient Analysis of a Three Node Tandem Communication Network Model with DBA Having Homogeneous Compound Poisson Direct Bulk Arrivals at node 1 and node 2. IJAER, Vol.10, Issue 22, **December 2015**, ISSN NO: 0973-4562, Scopus Indexed.
11. Grid based Clustering Protocol with Dynamic Range Cluster head Advertisement and Traffic Splitting in Wireless Sensor Networks - Conference proceedings-2014 **IEEE** International Advance Computing Conference (IACC) pg.no.118-123, **IEEE ISBN No: 978-1-4799-2572-8/14/\$31.00 c 2014 IEEE**
12. A New Distributed Intelligent Clustering Protocol (ICP) in Wireless Sensor Networks - IEEE Conference proceeding, **2014 IEEE** International Conference on Computational Intelligence and Computing Research (ICIC), **IEEE ISBN No: 978-1-4799-3972-5/14/\$31.00 ©2014 IEEE (Best Paper Award)**
13. Transient Analysis of a Two Node Tandem Communication Network with Two Stage Compound Poisson Binomial Bulk Arrivals and DBA - International Journal of Computer Applications, **2014**, Vol.96, No.25, pp 19-31 **Impact Factor: 0.85**
14. Stochastic Control and Analysis of Two-node Tandem Communication Network Model with DBA and Binomial Bulk Arrivals with Phase Type Transmission - International Journal of Computer Applications, **2014**, Vol.87, No.10, pp 33-47 **Impact Factor: 0.85**.
15. Performance Evaluation of Two-Node Tandem Communication Network with DBA having Compound Poisson Binomial Bulk Arrivals - International Journal of Computer Engineering and Intelligent Systems, **2014**, Vol.5, No.1, pp: 14-36
16. Transient Analysis of a Communication Network with Dynamic Bandwidth Allocation having Bulk Arrivals Using Zero Truncated Binomial Distribution - International Journal of Computer Science and Technology, Vol.4, Issue 1, **January, 2013**, pp.70-75, (ISSN N0:0976-8491)
17. A Study on performance analysis of IPsec VPN and MPLS VPN - International Journal of Futuristic Science Engineering and Technology, Vol.1, Issue3, **March 2013**, pp.185-190, (ISSN No: 2320-4486).
18. An Improved AODV Protocol with Lower Route Cost and Smaller Delay- PWAODV, International Journal of Futuristic Science Engineering and Technology (**IJFSET**), Vol.1, Issue3, **March, 2013**, pp.172-183, (ISSN No: 2320-4486).
19. Achieving QOS Guarantees over IP Networks using diffserv - International Journal of Futuristic Science Engineering and Technology, Vol.1, Issue3, **March 2013**, pp.191-203, (ISSN No: 2320-4486).

20. Multiple Routing Configurations For Fast IP Network Recovery - International Journal Of Engineering And Computer Science ISSN:2319-7242, Volume2 Issue 8 **August 2013**, Page No. 2628-2634.
21. Advance Reservations And Scheduling For Bulk Transfers In Research Networks - International Journal of Engineering and Computer Science ISSN: 2319-7242, Vol.2, No.8, **August 2013**, pp 2620-2627.
22. A Communication Network With Dynamic Bandwidth Allocation Having Bulk Arrivals Using Zero Truncated Binomial Distribution - International Journal of Emerging Research in Management and Technology, Vol.1, Issue.2, **December 2012**, pp.46-55 (ISSN: 2278-9359).
23. Research and Reflection report on MDRE Problems - International Journal of Advanced research in Computer Science and Software Engineering, Vol.2, Issue12, **Dec, 2012**, pp.327-336.
24. Transient Analysis of a Tandem Communication Network with Dynamic Bandwidth Allocation having Two Stage Direct Bulk Arrivals - International Journal of Computer Applications, Vol.13, No 7, **January 2011**(ISSN No: **0975 – 8887**). **Impact factor: 0.82**
25. Performance Evaluation of Two Node Tandem Communication Network with Dynamic Bandwidth Allocation having Two Stage Direct Bulk Arrivals - International Journal of Computer Science Issues, Vol.8, Issue 1, No 3, **January 2011** (ISSN No: Online - 1694-0784) **Impact factor: 0.242**
26. Performance Evaluation of A Communication Network with Dynamic Bandwidth Allocation Bulk Arrivals - International Journal of Computer Applications, Vol.13, No 8, **February 2011** (ISSN No: **0975 – 8887**). **Impact factor: 0.82**
27. A Study of the Agile Software Development methods, applicability and implications in Industry - International Journal of Software Engineering and its applications, Vol.5, No.2, **April 2011** (ISSN No: **1738 - 9984**).
28. A Tandem Communication Network with Dynamic Bandwidth Allocation and Modified Phase Type Transmission having Bulk Arrivals - International Journal of Computer Science Issues, Vol.7, Issue 4, No 3, July **2010** (ISSN No: Online - 1694-0784) **Impact factor: 0.242**
29. Optimal operating Policies of a two node tandem communication network with DBA having Binomial bulk arrivals” (Communicated to IEEE Transaction on Communications)

#### **14. International Conferences: Papers presented/Chaired Sessions/attended**

1. **3<sup>rd</sup> World Summit (WOSA-2016)** on Accreditation-Quality Assurance through Outcome based Accreditation, March 18<sup>th</sup> - 20<sup>th</sup>, 2016 at Gurgaon (Delhi NCR) by NBA (national Board of Accreditation), India.
2. "Estimation and Analysis of Performance measures of a Communication Network with Dynamic Bandwidth Allocation having Homogeneous Poisson Bulk Arrivals under Steady State Condition" - **3<sup>rd</sup> IEEE International Conference** on Electronics and Communication Systems (ICECS-2016), 25-26 February 2016 at Karpagam College of Engineering, Coimbatore, India.
3. “A New Distributed Intelligent Clustering Protocol (ICP) in Wireless Sensor Networks” IEEE International Conference on Computational Intelligence and Computing Research (**2014 IEEE ICCIC**) December 18 to 20, 2014 at PARK College of Engineering and Technology, Coimbatore, Tamilnadu, INDIA.
4. “Grid based Clustering Protocol with Dynamic Range Cluster head Advertisement and Traffic Splitting in Wireless Sensor Networks” **2014 IEEE International Conference Advance Computing Conference (IACC)** February 21-22, 2014, Gurgaon, India

5. "Some Communication Networks with Load Dependency under equilibrium" International Conference on Recent Development in Statistics and their applications 3<sup>rd</sup> – 4<sup>th</sup> January 2005, Sri Venkateshwara University, Tirupathi.
6. "Studies on Communication Network Models with DBA" 95<sup>th</sup> Indian Science Congress, January 3<sup>rd</sup> -7<sup>th</sup> 2008, Andhra University, Visakhapatnam.
7. "Multi Protocol Label Switching (MPLS) – A new concept of Router Switching" International Conference on Statistics, Probability operations research, computer science and allied areas, 4<sup>th</sup> – 8<sup>th</sup> January 2010, Andhra University, Visakhapatnam.
8. Chaired A Technical session in the International Conference on Statistics, Probability operations research, computer science and allied areas, 4<sup>th</sup>-8<sup>th</sup> January 2010, Andhra University, Visakhapatnam.
9. "A Three Node Tandem Communication Networks with Dynamic Bandwidth allocation having Bulk Arrivals" International Conference on Development and Applications of Statistics in emerging areas of Science and Technology, 8<sup>th</sup> – 10<sup>th</sup> December 2010, University of Jammu, Jammu.
10. Attended the International Congress on Productivity, Quality, Reliability, Optimization and Modeling (ICPQROM 2011) 7-8 February 2011, New Delhi.
11. Attended the Joint International Conference on Swarm, Evolutionary and Memetic Computing (SEMCCO) & Fuzzy and Neural Computing Conference (FANCCO) 19<sup>th</sup>-21<sup>st</sup>, Dec, 2011, ANITS, Visakhapatnam.
12. Chaired a Technical session in the Joint International Conference on Swarm, Evolutionary and Memetic Computing (SEMCCO) & Fuzzy and Neural Computing Conference (FANCCO) 19<sup>th</sup>-21<sup>st</sup>, Dec, 2011, ANITS, Visakhapatnam.
13. "A Two Node Tandem Communication Network with Dynamic Bandwidth Allocation and Modified Phase Type Transmission having Bulk Arrivals in equilibrium", ICONFROST-2012, Dec 21-23, 2012. Pondicherry University, Pondicherry.
14. "Steady state analysis of a two-node tandem communication network model with DBA having bulk arrivals using Zero truncated binomial distribution", ICONFROST-2012, Dec 21-23, 2012. Pondicherry University, Pondicherry.
15. "Optimal Operating Policies of a Two-Node Tandem Communication Network with DBA having Binomial Bulk Arrivals" International conference on OPERATION Research on Data Analytics and Decision Analysis (ICORDADA-2013) 21-23, October 2013, University of Kashmir, J&K.
16. "Grid based Clustering Protocol with Dynamic Range Cluster head Advertisement and Traffic Splitting in Wireless Sensor Networks" 4<sup>th</sup> IEEE International Advanced Computing Conference - IACC 2014, 21-22 February 2014 ITM University, Gurgoan, India (Communicated)
17. "Effective utilization of Radio frequency spectrum in Communication Networks using Cognitive Radios" International Conference of on Recent Trends and Research Issues in Computer Science and Engineering (ICRTRICSE-2K15), 2-3 May 2015, Andhra University, Visakhapatnam
18. "Design And Implementation of Energy Efficient Communication Model for Wireless Sensor Network with Transmission Power Self Optimization Technique" International Conference of on Recent Trends and Research Issues in Computer Science and Engineering (ICRTRICSE-2K15), 2-3 May 2015, Andhra University, Visakhapatnam
19. "Studies on Optimization Techniques for Routing in Mobile Ad-hock Networks using Swarm Intelligent Routing and Genetic Algorithms" International Conference of on Recent Trends and Research Issues in Computer Science and Engineering (ICRTRICSE-2K15), 2-3 May 2015, Andhra University, Visakhapatnam
20. "Studies on New Approaches in Key Pre Distribution Schemes Based on Algebraic Techniques for Wireless Sensor Networks" International Conference of on Recent Trends and Research Issues in

Computer Science and Engineering (ICRTRICSE-2K15), 2-3 May 2015, Andhra University, Visakhapatnam

21. "Modeling and Analysis of A Three Node Tandem Communication Network with Direct Batch Arrivals at Node 1 and Node 2 and Dynamic Bandwidth Allocation under Steady State Conditions" International Conference of on Recent Trends and Research Issues in Computer Science and Engineering (ICRTRICSE-2K15), 2-3 May 2015, Andhra University, Visakhapatnam
22. "LEACH Protocol Improvisation for Wireless Sensor Networks" International Conference of on Recent Trends and Research Issues in Computer Science and Engineering (ICRTRICSE-2K15), 2-3 May 2015, Andhra University, Visakhapatnam
23. Modeling and Analysis of a Three Node Tandem Communication Network with Direct Batch Arrivals at node 1 and node 2 and Dynamic Bandwidth Allocation under Steady State conditions (ICRTRICSE-2K15, IE, 2<sup>nd</sup> -3<sup>rd</sup> May-2015, Andhra University, Visakhapatnam)

## **15. Papers presented/Chaired Sessions/attended in National Conferences**

1. Presented a paper "Performance analysis of communication network with DBA and BA having type transmission" National Conference on Information Technology Enabled Services, 22-23, October 2010, AKNU, Rajahmundry.
2. Delivered an Invited Talk on "Statistical Analysis and modeling of communication networks" National Conference on Information Technology Enabled Services, 22-23, October 2010, AKNU, Rajahmundry.
3. Chaired a technical session in the National Conference on Information Technology Enabled Services, 22-23, October 2010, AKNU, Rajahmundry.
4. Presented a Paper "Application of Artificial Intelligence and Neural Network Techniques in Agriculture to Identify diseases in Rice Crop" National Conference on Artificial Intelligence, Robotics and Embedded systems (AIRES-2012, June 29-30, 2012, AUCE, AU.
5. Presented a Paper "Different Distributions and Stochastic Modeling of Communication Networks" UGC Sponsored National Seminar on Recent Advances in Mathematical Sciences and its Allied Areas, 27-28 Dec 2012, M.R.College, Vizianagaram.
6. Presented a Paper "A two node tandem communication network with Dynamic Bandwidth Allocation and phase type transmission having bulk arrivals in equilibrium" National Seminar on "Recent Advances in Stochastic Modeling and its Applications" (NSRASMA-2013), 10-1<sup>th</sup> Feb 2013, Dept. of Statistics, Andhra University, Visakhapatnam.
7. Presented a Paper Performance Evaluation of A Two Node Tandem Communication Network with Dynamic Bandwidth Allocation and Modified Phase Type Transmission having Bulk Arrivals using Zero Truncated Binomial Distribution- National Seminar on Recent Advances in Stochastic Modeling and its Applications, 10-11<sup>th</sup> Feb 2013, Dept. of Statistics, Andhra University, Visakhapatnam.
8. Chaired a technical session in the National Seminar on "Recent Advances in Stochastic Modeling and its Applications" (NSRASMA-2013), 10-1<sup>th</sup> Feb 2013, Dept. of Statistics, Andhra University, Visakhapatnam.
9. Kuda Nageswara Rao and Jammi Sarada Lakshmi " "Effective Prediction of Performance Metrics of a Communication Network with Dynamic Bandwidth Allocation having Homogeneous Poisson Bulk Arrivals" - National Conference On Recent Trends in Mechanical, Electrical, Electronics, Civil, Computer Science and Information Technology (MECIT-2015) 20-21November 2015, JN University, New Delhi

## **16. International Conferences Conducted**

1. International Conference on Recent Trends and Research Issues in Computer Science and Engineering (ICRTRICSE-2k15), 2-3 May 2015

## **17. National Workshops Conducted**

1. A National workshop on Cloud Computing and its Applications (NWCCA-2012) on 29<sup>th</sup> September 2012
2. A Two Day National Workshop on Data Warehousing and Mining (NWDWM-2013), 24-25 January 2013
3. A Four Day National Workshop on “Recent Advances in Statistical Signal Processing and its Applications” (NWRASPA-2012), 24-27 August 2012

## **18. Invited talks/attended National & International Workshops**

### **a) International Workshops:**

1. International workshop on “Data Mining and Stochastic Modeling” 29<sup>th</sup> Jan-1<sup>st</sup> Feb 2008, Department of Statistics, Andhra University
2. International workshop on “Recent advances in mathematical algorithms and data analysis” 2<sup>nd</sup> - 5<sup>th</sup> January 2010, Department of Statistics, Andhra University

### **b) National Workshops:**

1. National workshop on “Data Engineering” 29-30 November 2006, Department of Computer Science & Systems Engineering, AU College of Engineering, Andhra University.
2. A Two day national workshop on “ Knowledge management” 6-7 September 2010, Department of Management studies, VIEW, Visakhapatnam
3. National workshop on “Recent advances in data mining and its applications” 11-14 March 2011, Department of Statistics, Andhra University
4. Invited Talk on “Recent trends and issues in wireless sensor networks” in One day National workshop on “Recent trends and research issues in modern computer networks (RTRIMCN-2012)” 9<sup>TH</sup> August 2012, Sri Sivani College of Engineering, Srikakulam.
5. Invited Talk on “Progress and perspective of B-ISDN and ATM Networks” in One day National workshop on “Recent trends and research issues in modern computer networks (RTRIMCN-2012)” 9<sup>TH</sup> August 2012, Sri Sivani College of Engineering, Srikakulam.
6. Invited Talk on “Statistical Signal Processing in Wireless Sensor Networks” in the National workshop on “Recent Advances in Statistical Signal Processing and its Applications (NWRASSPA-2012), 24-27 August 2012, Department Statistics, Andhra University.
7. Invited Talk on “Statistical Perception of GPS Tracking” in the National workshop on “ Geo-Statistics and Spatial Data Analysis (NWGSDA-2012), 19-21 December 2012, Department Statistics, Pondichery University, Puducherry.
8. A Two Day National workshop on “Wireless Sensor Network Applications for Environmental Monitoring (WSNAEM-2013), 25-26 March 2013, Department of Computer Science & Systems Engineering, AU College of Engineering, Andhra University.
9. A Two-day National workshop on “Cyber Forensics (CYFOR 2013)”, 26-27 April 2013, Department of Computer Science & Systems Engineering, AU College of Engineering, Andhra University.
10. National workshop on “Data Analysis using SPSS (WDAS-2013)” 22<sup>nd</sup> August 2013, Department of Statistics, Andhra University



## 19. Invited talks in National/Regional level Seminars

1. One Lecture in the Seminar on Emerging Trends in Integrated Services Digital Network (ISDN) on 14-11-2009, LCE, Rampachodavaram.
2. One Lecture in the Seminar on Internet Application Protocols on 29-11-2009, Sri Sivani College of Engg., Srikakulam.
3. One Lecture in the seminar on Application of Wireless Networks on 29-11-2009, Sri Sivani College of Engg., Srikakulam.
4. One Lecture in the Seminar on Conventional or Traditional software Engineering on 13-02-2010, SRKCET, Srikakulam.
5. Lecture on Computer Networks on 24<sup>th</sup>, February, 2010, Vignan IIT, Visakhapatnam.
6. One Lecture in the Seminar on conventional or Traditional software Engineering on 13-3-2010, NIST, Visakhapatnam
7. One Lecture in the Seminar on Congestion Control Mechanisms in the Internet on 10-07-2010, LCE, Rampachodavaram.
8. One Lecture in the Seminar on Telematics and second one is on Mobile Computing on 17-07-2010, Sri Sivani College of Engg., Srikakulam.
9. One Lecture in the seminar on Mobile Computing on 17-07-2010, Sri Sivani College of Engg., Srikakulam.
10. One Lecture in the Seminar on Objective Oriented Software Engineering on 14-08-2010, NIST, Visakhapatnam
11. One Lecture in the Seminar on Objective Oriented Software Engineering on 09-10-2010, SRKCET, Srikakulam.
12. One Lecture in the Seminar on Data Link Layer Issue in TCP/IP Network Architectures on 11-12-2010, LCE, Rampachodavaram.
13. One Lecture in the Seminar on Data Communications and Networking on 12-2-2011, NIST, Visakhapatnam
14. One Lecture in the Seminar on Data Communications and Networking on 12-3-2011, SRKCET, Srikakulam.
15. One Lecture in the Seminar on Transport Layer Design Issues and Connection Management in TCP/IP Network Architectures on 13-03-2011, LCE, Rampachodavaram.
16. One Lecture in the Seminar on Advanced concepts in Computer Networks on 03-08-2011, NIST, Visakhapatnam
17. One Lecture in the Seminar on Advanced Concepts in Computer Networks on 10-09-2011, SRKCET, Srikakulam.
18. Delivered a Lecture “ Tandem Communication Networks with Dynamic Bandwidth Allocation and Bulk Arrivals” on 26<sup>th</sup>, September, 2011 in **AU Research Forum**
19. Delivered a Lecture in the Seminar on Information and Network Security Issues on 08-10-2011, LCE, Rampachodavaram.
20. Delivered a Lecture in the Seminar on Data Communications and Networking on 11-02-2012, NIST, Visakhapatnam.
21. Delivered a Lecture in the Seminar on Data Communications and Networking on 10-03-2012, SRKCET, Srikakulam.
22. Delivered a Lecture in the Seminar on Advanced Concepts in Computer Networks on 11-08-2012, SRKCET, Srikakulam.
23. Delivered a Lecture in the Seminar on Advanced Concepts in Computer Networks on 8-09-2012, NIST, Visakhapatnam.
24. Delivered a Lecture in the Seminar on Wireless Sensor Network Architectures and Design Constraints on 14-07-2012, LCE, Rampachodavaram.

## **20. Refresher Courses Attended**

1. A 6 Day GIAN course on "Nanoscale Wireless Networking-challenges, opportunities and recent advances" at NIT GOA, GOA during 19th -24th December 2016.
2. Five day training programme on "Management Capacity Enhancement Programme for Administrators" (MCEP) at IIM Lucknow, during 24<sup>th</sup> -28<sup>th</sup> August, 2015
3. A Three day Refresh Course on "Modern Imaging Research: Research Avenues and Challenges" under TEQIP phase-II from 31<sup>st</sup> January -2<sup>nd</sup> February 2013 organized by department of IT, AITAM, Tekkali, Srikakulam.
4. AICTE sponsored Two-Week Staff Development Programme on "Computational Intelligence and its Applications to Data Mining" 30<sup>th</sup> April – 13<sup>th</sup> May 2010, organized by Dept. of CSE and IT at ANITS, Sangivalasa, Visakhapatnam.
5. Four day Refresher Course on "MAT LAB Programming and Implementation of Genetic Algorithms" 17-20 September 2009, organized by Dept. of CSE and IT at ANITS, Sangivalasa, Visakhapatnam.

**(PROF.KUDA NAGESWARA RAO)**