

Dr. MALLIKHARJUNA RAO NUKA

Address for communication:

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A. Educational Qualifications

SNo	Examination /Degree	Board/University	Year of passing	% of Marks	Class
1	SSC	Board of Secondary Education	1990	65	First
2	Intermediate	Board of Intermediate	1992	64.8	First
3	B.Sc. (M. P. CS)	Andhra University	1995	61	First
4	MCA	Acharya Nagarjuna University	1998	71	First
5	M.Tech (CSE)	Allahabad Agricultural Institute-Deemed University	2006	74	First
6	M.Phil (CS)	M K University	2007	65	First
7	PhD (CSE)	Acharya Nagarjuna University	April, 2015		

Thesis Title: Sliding Window Algorithm for improving throughput of Mobile Switching Centres in Global System for Mobile Communications Network.

Research Guide: Dr. M.M.Naidu, Professor (Retired), SVU College of Engineering, SV University, Tirupati-517502

Research Outcome:

- 1) Mallikharjuna Rao Nuka and M.M. Naidu, "An Optimal Sliding window size for maximizing GSM network Throughput", *Int. J. on Wireless and Mobile Computing*, Inderscience Publishers, ISSN: 1741-1084 (print), Vol. 7, No. 5, pp. 509-516, 2014. (**Scopus indexed; SJR=0.36 and SNIP=0.49**)

- 2) Mallikharjuna Rao Nuka and M.M.Naidu , “Sliding window method based on enhanced Throughput prediction for improving GSM network efficiency by reducing HLR-VLR Transitions”, ***Int. J. Mobile Network Design and Innovation***, Inderscience Publishers, ISSN:1744-2869(Print) ,Vol. 5, No. 2, pp.63–77, 2013 (**Scopus indexed; SJR=0.105 and SNIP=0.245**)

B. Teaching Experience

SNo	Designation	Institution	From	To
1	Lecturer	Annamacharya Institute of Technology & Sciences, Rajampet	13-10-1999	31-12-2003
2	Assistant Professor	Annamacharya Institute of Technology & Sciences, Rajampet	01-01-2004	31-03-2005
3	Associate Professor	Annamacharya Institute of Technology & Sciences, Rajampet	01-04-2005	30-09-2008
4	Professor	Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet	01-10-2008	Till date

C. Administrative Works

SNo	Nature of work	From	To
1	Head of the Department, MCA	01-09-2002	Till date
2	Officer In-Charge, Sports and Games	01-06-2003	Till date
3	Officer In-charge , Computing Facilities	01-07-2005	Till date

D. Academic works

SNo	Nature of work	From	To
1	Chairman, BOS, MCA Course	01-05-2011	Till date
2	Academic Council, EX-Officio member	01-05-2011	Till date
3	Director, IQAC	01-01-2013	Till date
4	In-charge, Faculty Feedback Evaluation	01-07-2005	Till date

E. Other Responsibilities

1. Worked as a Co-coordinator for in preparing Autonomous application.
2. Working as a Coordinator, NBA (SAR) works.
3. Working as a Coordinator for in preparing NAAC (AQAR & SAR) reports.
4. Working as IEEE Student Branch Counselor since 2011.
5. Working as a coordinator for Microsoft Innovation Centre and IBM Centre of Excellence.

F. Professional Memberships

- ISTE life member
- IEEE – volunteer , IEEE Hyderabad Section
- IAENG
- CSTA
- IACSIT

G. International Conferences Attended

- 1) Attended and presented a paper on “**An Intelligent Data Structure Approaches for Mobile Devices**”, IEEE International Conference on Advanced Communication Technology, ISSN: 1738-9445, ISBN: 978-1-4244-8830-8(Print), Page No: 447~452, Feb **2011**, Gangwon-do, South Korea.
- 2) Attended and presented a paper on “**Intelligent Database System for Location Management in Mobile Networks**” at IEEE International Conference on Emerging Technologies for smarter World held on 26th ~ 29th September **2010**, Incheon, South Korea.

1) Other roles played (National & International)

Worked as a Chair Person for the 13th International Conference on Advanced Communication Technology held on 13~16, February 2011 at Phoenix Park, Republic of Korea.

Worked as Program Committee Chair for 2012 International Conference on Information and Intelligent Computing (ICIIC 2012) held on December 8-9, 2012 at Chengdu, China.

Worked as Program Committee member for 2013 IEEE International Symposium on Mobile Cloud, Computing and Service Engineering (IEEE Mobile Cloud 2013) held on March 26th~28th , 2013 at San Francisco Bay, USA

Worked as Publicity Chair for 2013 IEEE International Symposium on Mobile Cloud, Computing and Service Engineering (IEEE Mobile Cloud 2013) held on March 26th~28th , 2013 at San Francisco Bay ,USA

Worked as Technical Program Committee Co-Chair for 15th IEEE International Conference on Advanced Computing Technologies (ICACT -2013) held at Rajampet, AP, India on 10th~11th, 2013.

Worked as Program Committee member for the 2nd IEEE International Conference on Mobile Cloud Computing, Services and Engineering (IEEE Mobile Cloud 2014), April 8-11, 2014 - Oxford, United Kingdom

Worked as Program committee members for the 3rd IEEE International conference on Mobile Computing, Services and Engineering (IEEE Mobile Cloud 2015), March 30th ~ April 3rd, 2015, San Francisco, CA, USA

Worked as Program Committee member for the World Symposium on Computer Applications & Research (WSCAR' 2014), 18-20 January, Sousse, Tunisia

Working as Program committee member for the 2nd International Workshop on Mobile Applications (MobiApps-2015), 24-26 August 2015, Rome, Italy

Working as Program Committee for the 2015 International Symposium on Web of Things and Big Data (WoTBD-2015), 5~8th, October 2015, Manama, Bahrain

Working as a designated reviewer for International Journal of Computers & Distributed Systems (IJCDS), ISSN: 2278-5183, India

H. Journal Publications

N. Mallikharjuna Rao and M. M. Naidu, "An Approach for Intelligent Database Maintenance of HLR and VLR Databases," ***International Journal of Engineering and Technology***, ISSN: 1793-8236, Vol. 4, No. 5, pp. 532-536, 2012. (**Scopus indexed; SJR=0.135 and SNIP=0.581**)

N. Mallikharjuna Rao and Dr. M.M Naidu, "An Intelligent Location Management approaches in GSM Mobile Network" **International Journal of Advanced Research in Artificial Intelligence (IJARAI)**, ISSN: 2165-4069 (Online) &ISSN: 2165-4050(Print), Volume 1 Issue 1, pp: 85-92, April 2012

N.Mallikharjuna Rao and Dr. M.M Naidu, "An Intelligent Data Structure Approaches for Mobile Devices" IEEE **International Conference on Advanced Communication Technology**, ISSN: 1738-9445, ISBN: 978-1-4244-8830-8(Print), Page No: 447~452, February 2011, Gangwon-do, Korea (South)

N.Mallikharjuna Rao and J.MithunKumar, "Reducing Throughput-delay Analysis of Conflict-free Scheduling in Multi hop Adhoc networks", **International Journal of Communication Network & Security**, Interscience Publishers, and ISSN: 2231-1882, Volume 1, Issue 1, page no: 34~39, 2011

N. Mallikharjuna Rao & P.Seetharam, "Multiple Network Operator Services Utilization Using Single SIM Card", **International Journal of Computer Theory and Engineering**, and ISSN: 1793-8201, Vol. 3, No. 3, page no: 407~411, June 2011

N.MallikharjunaRao and Dr. M. M Naidu, "Intelligent Identity Verification Processing System of Mobile Subscribers", **International Journal of Computer Science and Knowledge Engineering**, Serial Publications, ISSN: 0973-6735, Volume 4 Number 2, pp: 85-89, July-December 2010.

N.Mallikharjuna Rao, V.Satyendra Kumar and P. Seetharam, "AVOIDANCE OF SHORT RANGE RADIO DEVICES TO CONTROL RADIATION BY CELL TOWERS", **CIIT International Journal of Programmable device circuits and systems**, ISSN: 0974-973X, Volume 2, No 8, Page no 92-98, August 2010

N.Mallikharjuna Rao, V.Satyendra Kumar and P.Seetharam, "Cloud Computing Approaches for Educational Institutions", **International Journal of Computational Intelligence and Information Security**, ISSN: 1837-7823 Vol.1 No 7 Page no- 20-28, IJCIIS Publications, September 2010.

N.Mallikharjuna Rao and P.Seetharam, "An Intelligent Software Workflow Process Design for Location Management on Mobile Devices", **International Journal of Advanced Computer Science and Applications**, ISSN 2156-5570, Vol.1 No 5, Page no- 43-49, IJACSA Publications, November 2010

N.Mallikharjuna Rao , C.Sasidhar and V. Satyendra Kumar, "Cloud Computing Through Mobile Learning", **International Journal of Advanced Computer Science and Applications**, ISSN 2156-5570, Vol.1 No 6 , Page no- 42-47, IJACSA Publications, December 2010

I. Conference Publications

1) IEEE Conferences

N.Mallikharjuna Rao and Dr. M.M Naidu, “**Intelligent Storage devices for Mobile databases**” IEEE International Conference on Digital Convergence 2011, ISBN: 978-1-4244-9325-8, IEEE Catalog Number: CFP1126M-PRT, February 2011, Chennai, India

N.Mallikharjuna Rao, Dr. M.M Naidu and P.Seetharam, “**Mobile Database Modeling Using Fuzzy Databases**” IEEE International Conference on Emerging Trends in Electrical and Computer Technology 2011, ISBN: 978-1-4244-7923-8, IEEE Catalog Number: CFP1126M-PRT, INSPEC Accession Number: 11973853, Page No: 1026 – 1031, 23-24th March 2011, Nagercoil, Tamilnadu, India

2) Conference Publications as Co-Author

N.Mallikharjuna Rao and K. Venkatesh , “Web Mining Information and Pattern Discovery on the World Wide Web”, **Proceeding of International Conference on emerging trends in Mathematics and Computer Applications** (ICETMCA 2010) , held on December 16th to 18th 2010 pp.425-432 at MEPCO Schelenk Engineering College, Sivakasi, Tamil Nadu, India (ISBN 978-81-8424-649-0)

N.Mallikharjuna Rao and N. Mahesh Babu , “A Soft-Computing Techniques for Time Series Forecasting”, **Proceeding of International Conference on emerging trends in Mathematics and Computer Applications** (ICETMCA 2010) , held on December 16th to 18th 2010 pp.425-432 at MEPCO Schelenk Engineering College, Sivakasi, Tamil Nadu, India (ISBN 978-81-8424-649-0)

Attended **International Conference on Computational Vision & Robotics** (ICCV-10) held on 21st and 22nd August 2010, organized by Interscience Group of Institutions, Bhubaneswar, India, and paper entitled “Improving Performance of Ad Hoc Routing Protocols in Mobiles under a peer-to-peer Gnutella Application”.

3) National Conferences

Attended National Conference on Intelligent Systems and Communications (NCISC-2009) held on 2nd and 3rd December, 2009 at Sri Padmavati Mahila Visvavidyalayam, Tirupati, and paper titled “Self-Stabilizing clustering of Ack Tree Networks”

Attended National Conference on Network Technologies (NCNT’09) held on December 29th, 2009 at SVCET, Chittoor, and paper titled “Avoidance of Network Congestion Problem using weighted clustering of tree networks”

4) Symposiums

Participated and presented the paper titled “An **Intelligent Synchronized database architecture for mobile data tracking system**”, at Annual Symposium conducted by IEEE Bangalore Section on 19th and 20th November 2010

5) Workshops

Participated in MAX academy for excellence workshop on “**Maximize Excellence**” during 15th ~ 16th October , 2005 organized by Max Academy for Excellence, Chennai

Participated in Oracle Corporation one week training program on “Oracle Database 10g: Administration Workshop I Ed I”, during 6th to 10th February, 2006

Participated in AICTE Sponsored Two-Day National Level Workshop on “**Middleware Technologies**” during 6-7 March 2010 conducted by Sree Vidyanikethan Engineering College, Tirupati.

Participated in AICTE Sponsored Two-Day National Level Workshop on “**Advanced J2EE Technologies**” during 27-28 March 2010 conducted by Sree Vidyanikethan Engineering College, Tirupati.

Participated in National Level Work Shop on “**Association for Software System: Practice, Research and Engineering (ASPIRE’10)**” during 22nd& 23rd December, 2010 Conducted by JNTUACE, Dept. of CSE, and Anantapur

Participated in Hack Tricks-2012 on “**Ethical Hacking**” during 8~9th January, 2012 organized by iSecLABZ in association with E-Cell IIT Kharagpur

Citation details:

Citation indices	All	Since 2010
Citations	87	87
h-index	3	3
<i>i10 - index</i>	1	1

Personal Profile

Name : Mallikarjuna Rao. Nuka

Gender : Male

Father Name : Pulla Rao. Nuka

Date of Birth : 12-12-1974

Marital status : Married

Nationality : Indian

Personal Strength : Leadership skills, Self-confidence, Optimism and Hard working.

Personal Interests : Playing Chess and Painting,

Pass Port Number : G 188 3064

Present Address :5-506(A)
Vinayaka Nagar
Rajampet , KADAPA (Dist)-516115
AndhraPradesh

Permanent address : S/O N Pulla Rao
Korlamanda (Post & Vilage)
Vissannapet (M)
Krishna (Dt)-521214, AP

Declaration: I hereby declare that all the details furnished above are true to the best of my knowledge and belief.

Dr. Mallikharjuna Rao Nuka