



Dr. Y .K. Sundara Krishna
M. Tech, Ph. D., MISTE, MASMS

Professor

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1. Educational Qualifications:

S.NO.	Examination Passed	Board/University	Division
1	Ph. D. (C.S.E)	Osmania University, Hyderabad	--
2	M.Tech (C.S.E)	Osmania University, Hyderabad	2002 FIRST WITH DISTINCTION
3	BTech (C.S.E)	Jawaharlal Nehru Technological University, Hyderabad	1996 FIRST
4	Special Diploma in Electronics with Specialization in COMPUTER ENGINEERING	State Board of Technical Education & Training, A.P.	1991 FIRST WITH DISTINCTION
5	Intermediate (M.P.C)	Board of Intermediate Education, A.P.	1987 FIRST
6	S.S.C.	Board of Secondary Education, A.P.	1985 FIRST

2. Experience -20 years

A. Research Profile - 12 years

Two decades of practical work experience in the area of Computing Systems including Developing of Simulators for Distributed Dynamic Cellular Computing Systems, Applications of Embedded & Win32 clients, Maintenance of Multi-user System Software and International Research Contributions.

Working with International Telecommunication Union (ITU)-T 1721 recommendations- Signaling requirements and protocols for IMT-2000 & General overview of NGN, ITU

International Publications:

- **S. Siva Nageswara Rao, Y.K. Sundara Krishna, K. Nageswara Rao, “A Survey: Routing Protocols for Wireless Mesh Networks” , International Journal of Research and Reviews in Wireless Sensor Networks (IJRRWSN), Science Academy Publisher, United Kingdom(Accepted for Publication)**
- **K.LakshmiNadh, K.Nageswara Rao, Y. K. Sundara Krishna, “A survey on Packet Reordering and Fast Retransmit Schemes for Transport Protocols”, International Journal of Research and Reviews in Computer Science (IJRRCS) Vol. 2, No. 3, June 2011**
- **S. Siva Nageswara Rao, Y.K. Sundara Krishna, K. Nageswara Rao “A Survey of Design Issues for Routing Protocols in WMNs” , International Journal of Research and Reviews in Ad Hoc Networks (IJRRAN)” ,Vol. 1, No. 2, June 2011, ISSN: 2046-5106**
- **S. Siva Nageswara Rao, Y.K. Sundara Krishna, K. Nageswara Rao “A Study of Routing Metrics for Wireless Mesh Networks” , International Journal of Research and Reviews in Wireless Communications (IJRRWC) ,Vol. 1, No. 2, June 2011 ISSN: 2046-6447 ,Copyright © Science Academy Publisher, United Kingdom**
- **VSRK Sarma¹, M. Sitarama Kumar ², K. Mrithyumjaya Rao³ and Y.K.Sundara Krishna, “Comparative Analysis of SOA and Non-SOA for Building Complex Systems”, International Journal of Research and Reviews in Ad Hoc Networks Vol. 1, No. 1, March 2011**
- **Y.K. Sundara Krishna “ Mobile Tracking Management in Circullar Cellular Topology“, Ph. D. Dissertation , Submitted to the Osmania University, Hyderabad, December, 2007**
- **Y.K. Sundara Krishna, P. Premchand, C. Raghavendra Rao, “An Estimate for Mobile Location using Tracking Database”, Proceedings of RSPS-2008 International Conference, Vijayawada, India, January, 2008**
- **Y.K. Sundara Krishna, C. Raghavendra Rao “Mobile Tracking Process: Look Ahead approaches”, Proceedings of ICORAID-2005-ORSI International Conference, Indian Institute of Science, Banglore December 27-29 , 2005**
- **Y.K. Sundara Krishna “ Mobility Management: An Object Tracing Approach “ M Tech Dissertation , Submitted to the Osmania University, Hyderabad, January 2002**
- **Y.K. Sundara Krishna, C. Raghavendra Rao “ Mobility Management: An Object Tracking Approach”, Proceedings of ATM Interact Symposium 2001, International Conference, New Delhi, August 22-24, 2001 pp 26-32**

National Publications:

- Y.K. Sundara Krishna, C. Raghavendra Rao “ Load Distribution Strategies for Cell Servers”, Proceedings of IEIE Zonal Seminar on Emerging and Converging Communication Technologies, Visakapatnam, February 10-11,2007
- Y.K. Sundara Krishna, Deepak Narayanam, C. Raghavendra Rao “Tracking Stations for Mobile Location”, Proceedings of CSI National Conference, Hyderabad, December 11-12, 2001 pp 70-78

Inter National Presentations:

- Y.K. Sundara Krishna, P. Premchand, C. Raghavendra Rao, “An Estimate for Mobile Location using Tracking Database”, RSPS-2008 International Conference, Vijayawada, India, January, 2008
- Y.K. Sundara Krishna, C. Raghavendra Rao “Mobile Tracking Process: Look Ahead approaches”, ICORAID-2005-ORSI International Conference, Indian Institute of Science, Banglore December 27-29 , 2005
- Y.K. Sundara Krishna, C. Raghavendra Rao “ Mobility Management: An Object Tracking Approach”, ATM Interact Symposium 2001, International Conference, New Delhi, August 22-24, 2001 pp 26-32
- Y.K. Sundara Krishna, C. Raghavendra Rao “ Network Interface Card with Extendable Memory” , SCI 2000 International Conference, Hyderabad, December 17, 2000 pp 61-65

National Presentations:

- Y.K. Sundara Krishna, C. Raghavendra Rao “ Load Distribution Strategies for Cell Servers”, IEIE Zonal Seminar on Emerging and Converging Communication Technologies, Visakapatnam, February 10-11,2007
- Y.K. Sundara Krishna, C. Raghavendra Rao “ Mobile Pattern with Look Ahead Approaches” XIV Congress of Andhra Pradesh Society for Mathematical Sciences, Visakhapatnam, September 9-11 2005
- Y.K. Sundara Krishna, C. Raghavendra Rao “ Look Ahead Algorithms for Mobile Location XXIII Annual Conference of Indian Society for Probability and Statistics, Nagarjuna University, A.P., December 18-20, 2003

- Y.K. Sundara Krishna, C. Raghavendra Rao “ Load Distribution Strategies for Mobile Servers” XII Congress of Andhra Pradesh Society for Mathematical Sciences, Osmania University, Hyderabad December 12-14,2003
- Y.K. Sundara Krishna, C. Raghavendra Rao “ A Performance Index of a Mobile Tracking System” , Eleventh Congress of Andhra Pradesh Society for Mathematical Sciences, Sri Padmvathi Mahila Visvavidalayam, Tiupathi, A.P. January 31- February 2,2003
- Y.K. Sundara Krishna, C. Raghavendra Rao “ An Estimate for Mobile Location”, National Conference on Statistical Methods –2002, Nagarjuna University, A.P., March 28-29, 2002
- Y.K. Sundara Krishna, Deepak Narayanam, C. Raghavendra Rao “Tracking Stations for Mobile Location”, CSI National Conference, Hyderabad, December 11-12, 2001 pp 70-78

B. Teaching Profile- 14 years

Technology Contribution to the students

- **Modeling Object Oriented Systems with Unified Modeling Language**
- **Operating Systems Critical analysis and discussions**
- **Distributed Systems – Issues and developments**
- **Visual Programming- Development of win32 applications with VC++ and MFC**
- **Parallel Programming – Approaches & Techniques**
- **Computer Organization – Fundamental design, working of Computer Systems**
- **Web Programming - Development of Service Oriented Architecture**
- **Mobile Computing Concepts**

C. Career Profile

i. Working as Professor in Department of Computer Science , Krishna University

Additional Charges

- **HOD i/c , Department of Computer Science from October 2009 to till date**
- **Controller of Examinations, Krishna University from March 2010 to December 2010**
- **Chief, Employment Information and Guidance Bureau, Krishna University**
- **Academic Coordinator , Krishna University June 2011 to till date**
- **Technical Nodal Officer , National Knowledge Network, Krishna University**
- **Coordinator, Jawahar Knowledge Center(JKC)**
- **Central Purchase Committee Member, Krishna University August 2011 to till date**

ii. Worked as Associate Professor & Head of the Department in CSE at Sri Kalahasteswara Institute of Technology, A Government owned Self Financed Engineering College under the Management of Srikalahasteswara Swamivari Devasthanam, Srikalahasthi since April 2004 to October 2009

- **Principal Incharge**
- **HOD of CSE**
 - **Establishment of three Computer Labs with 120 Computer Systems along with networking for online examination system**
 - **Establishment of Embedded Systems Lab**
 - **Campus Networking with 1 Mbps internet facility and Static Web Server at the Institute**
 - **Successful installation and running of Online Examination Systems**
- **Officer, Examination - June 2007 to February 2008**

- iii. Worked as Assistant Professor in the Department of Compute Science and Engineering, Vasavi College of Engineering, Hyderabad from December 1999 to April 2004.
 - Active team member of the Department of CSE for successful completion of NBA accreditation process
 - Preparation of Lab manuals for Operating systems Lab, Distributed systems Lab, Visual Programming Lab & C++ Programming Lab
- iv. Worked as Lecturer in the Department of Computer Science and Engineering, Gokaraju Ranga Raju Institute of Engineering and Technology, Hyderabad from November 1997 to December 1999
 - Successful implementation of Electronic Teaching Methodologies
 - Preparation of Class notes and Lab records with illustrations for C-Programming
- v. Worked as Lecturer in the Department of Computer Science and Engineering, Deccan College of Engineering and Technology, Hyderabad from April 1997 to November 1997
 - Additional charge as Systems Manager
- vi. Worked as Senior Customer Support Engineer in M/S UK Infotech Services, Hyderabad from June 1996 to April 1997
- vii. Worked as Senior Customer Support Engineer in M/s Advanced Micro Computer Services (WIPRO FRANCHISE) , Hyderabad from July 1991 to May 1996
- viii. Worked as Apprenticeship Trainee in E.C.I.L. at Computer Manufacturing Group Hyderabad from October 1990 to February 1991

3. Developments of Projects

Software Projects

- Registration and Verification client modules for EAMCET-2001 counseling
- Simulation Programs for the following Research Topics in VC++ platform
 - i. Mobility Management: An Object Tracing Approach
 - ii. An Estimate for Mobile Location
 - iii. A Performance Index of a Mobile Tracking System
 - iv. Mobile Tracking Process: Look Ahead approaches
 - v. Load Distribution Strategies for Cell Servers

- Win 32 Application for 8255 based ISA card for Sigma Systems, Vikrampuri, Hyderabad
- Web Programming –Development Front End for Online examination Systems using PHP and My SQL at Krishna University, Machilipatnam

Hardware Projects

- Network Installation in SVP National Police Academy, Hyderabad Novel 4.01, 3.12 with 60 nodes)
- Systems Installations and Configurations in Deccan college of Engineering and Technology (2 UNIX systems with 32 nodes, 40 PCS)
- Network Installations in various branches of Corporation Bank, Oriental Insurance Companies in Hyderabad
- UNIX based installations in Zuari Agro, Vysya Bank etc., in Hyderabad

4. Membership in Professional bodies

- i. Life member of ISTE
- ii. Life member of Andhra Pradesh Society for Mathematical Sciences

5. Participating in workshops and Training Programs

- i. Refresher Course on “Advanced Unix & C” at JNT University, Hyderabad from November 26 to December 15, 2001
- ii. MS-IT Mentor Training Workshops by ASCHE at Hyderabad
 - Object Oriented Programming
 - Networking
 - Great Theoretical ideas in Computer Scienc
- iii. A workshop on Object and Component Technology” April 23-25, 2001, MJCET, Hyderabad
- iv. A workshop on “ Performance Excellence” June 1-2, 2002 , Vasavi College of Engineering, Hyderabad
- v. A workshop on “ Design and Analysis of Algorithms” December 28-29, 2002 and January 4-5,11-12, 2003, Rajamahendra College of Engineering, Hyderabad

- vi. A workshop on “ Industry Oriented Software Engineering”, January 20-22, 2003, IIS Bangalore
- vii. A workshop on “ Technologies of the Future” held on 25th June 2009 hosted by Department of CSE, R.M.D. Engineering College, Kavaraipettai, Gummidipoondi, Thiruvallur, Tamil Nadu, India

6. Personal Profile

Address for Correspondence:

Department of Computer Science
Krishna University, Machilipatnam, A.P., India.
PIN: 521001

Father's Name : Y.K.G.K. DESIKACHARYULU

Date of Birth : 20-04-1970

Marital Status : Married (Two Daughters)