



Dr. Y.K. Sundara Krishna

M. Tech, Ph. D., MISTE, MASMS

Professor

Department of Computer Science

KRISHNA UNIVERSITY

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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	B. Tech (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 - 27 years

Dr. Y.K. Sundara Krishna qualified in Ph.D in Computer Science & Engineering from Osmania University, Hyderabad. He is working as Professor in the Department of Computer Science, Krishna University, Machilipatnam.

He guided **Five** Ph. D. Research scholars and Supervising **13** Ph.D. research scholars.

His research interests are Mobile Computing, Next Generation Networks, Context Based Computing Systems, Service Oriented Architecture and Geographical Information Systems, Data Aware Networking, Software Defined Networking.

He is also working with International Telecommunication Union (ITU)-T recommendations

- A. ITU-T Recommendation Y.3071 (2017) SERIES Y: GLOBAL INFORMATION INFRASTRUCTURE, INTERNET PROTOCOL ASPECTS, NEXT-GENERATION NETWORKS, INTERNET OF THINGS AND SMART CITIES
Future networks
Data aware networking (information centric networking) – Requirements and capabilities

- B. ITU-T Recommendations Y. 2340(2016) SERIES Y: GLOBAL INFORMATION INFRASTRUCTURE, INTERNET PROTOCOL ASPECTS AND NEXT-GENERATION NETWORKS, INTERNET OF THINGS AND SMART CITIES Next Generation Networks – Enhancements to NGN-
Next generation network evolution phase 1 – Overview
- C. ITU-T Recommendation Y.3033 (2014) ITU-T Recommendation Y.3033SERIES Y: GLOBAL INFORMATION INFRASTRUCTURE, INTERNET PROTOCOL ASPECTS AND NEXT-GENERATION NETWORKS
Future networks
Framework of data aware networking for future networks
- D. ITU-T Recommendation Y.3043 (2013) SERIES Y: GLOBAL INFORMATION INFRASTRUCTURE, INTERNET PROTOCOL ASPECTS AND NEXT-GENERATION NETWORKS -Future networks-
Smart ubiquitous networks – Context awareness framework
- E. ITU-T Recommendation Y.3031 (2012) SERIES Y: GLOBAL INFORMATION INFRASTRUCTURE, INTERNET PROTOCOL ASPECTS AND NEXT- GENERATION NETWORKS -Next Generation Networks – Future networks
Identification framework in future networks
- F. ITU-T Recommendation Q.1707/Y.2804. (2008). SERIES Q: SWITCHING AND SIGNALLING Signaling requirements and protocols for IMT-2000. SERIES Y: GLOBAL INFORMATION INFRASTRUCTURE, INTERNET PROTOCOL ASPECTS AND NEXT-GENERATION NETWORKS
Next Generation Networks – Generalized mobility, Generic framework of Mobility management for Next Generation Networks.- Generalized Mobility
- G. ITU-T Recommendation Q.1708/Y.2805. (2008). SERIES Q: SWITCHING AND SIGNALLING Signaling requirements and protocols for IMT-2000. SERIES Y: GLOBAL INFORMATION INFRASTRUCTURE, INTERNET PROTOCOL ASPECTS AND NEXT-GENERATION NETWORKS
Next Generation Networks – Generalized mobility, Framework of Location Management for NGN
- H. ITU-T Recommendation Q.1709/Y.2806. (2008). SERIES Q: SWITCHING AND SIGNALLING - Signaling requirements and protocols for IMT-2000. SERIES Y: GLOBAL INFORMATION INFRASTRUCTURE, INTERNET PROTOCOL ASPECTS AND NEXT-GENERATION NETWORKS
Next Generation Networks – Generalized mobility, Framework of Handover Control for NGN
- I. ITU-T Recommendations Q.1721 (2000)- Signaling requirements and protocols for IMT-2000 & General overview of NGN, ITU ITU-T Recommendations Y.2018 Series Y:
Global Information Infrastructure, Internet Protocol aspects and NGN

He published 74 papers in international Journals and 4 National Journals . He published and 10 papers in International Proceedings.

He also published 1 paper at International National and 3 Papers at National Conference/Seminar Proceedings.

He is having 14 years Administrative work experience as Principal, Dean, Registrar i/c, Head of the Department, Controller of Examinations, Chairman of PG Board of Studies, Coordinator, Center for Research Studies, Systems Manager and Technical Nodal Officer.

He is having 27 years of practical work experience in the areas of Computing Systems including Developing of Simulators for Distributed Dynamic Cellular

Applications of Embedded & Win32 clients, Maintenance of Multi-user System Software & Win32 clients, Maintenance of Multi-user System Software.

He is having practical experience in development of simulation tools in VC++ and design and development of Web based Systems such as Online Examinations Systems.

Member of Editorial Boards

- Associate Editors for International Journal of Image, Graphics and Signal Processing (IJIGSP)

Invited Lectures as Resource Person

1. Invited talk on "Examination Reforms – Measures and Strategies", National Level workshop organized by Vikrama Simhapuri University Nellore, A.P., India 1-2 December, 2016.
2. Invited Talk on "Integrating Information and Communication Technology", National Seminar Organized by Vikrama Simhapuri University Nellore, A.P., India, 9-10 Dec 2016.
3. Invited Talk on "Hardware, Software and Networking" , 3 Day Residential Programme on Management Information Systems organized by APHRDI, Bapatla , Guntur., A.P., India 1-3 August, 2017.
4. Invited Talk on "TCP/IP for New Generation Networks", 13 October 2015, organized by P.B. Sidhartha Science and Arts College, Vijayawada, A.P., India.
5. Keynote address on "Next Generations Robotics: Programming Challenges" at National Conference on "Intelligent Robotics" ,21-22 August 2015, KBN College, Vijayawada
6. Keynote address on "Research Challenges and Issues in Big Data and Cloud Computing" organized by Department of Computer Science, Yogivemana University, Kadapa, A.P., India.
7. Keynote address on "Ethical Hacking- An Inevitable Tool For A Secured Organization (NSEH-2014)", December 21-13, 2014, KBN College, Vijayawada, India.
8. Invited Talk on "Security Aspects in Next Generation Network Systems: A Solution in Social Domain" at National Seminar on "Cyber Security with special Focus on Cyber Crimes and Cyber Laws(NSCS-2014)", 15-16 November ,2014, P.B. Siddhartha College of Arts and Sciences, Vijayawada, India.
9. Invited Talk on "Information and Communication Technologies(ICTs)" at National Seminar on "Information and Communication Technologies (ICTs) in making a Healthy Information Society with Special Reference to use of ICTs in Educational Technology" , Andhra Loy College, 11th August 2014,Vijayawada,India
10. Invited Talk on "Applications of Mathematics in Design of Object Oriented Systems" at National Seminar on "The Role of Mathematics and Information Sciences in Design of Sophisticated Systems" , Andhra Loy College, 20th August 2014,Vijayawada,India
11. Guest Lecture on "Mobile Computing and Its Applications" at PVP Siddhartha Engineering College, on November 21, 2013, Vijayawada, A.P., India.

12. Delivered Key Note address at International Conference on Computing @ NECICC2K13 on July 12-13, 2013, Narasaraopeta, A.P., India.
13. Invited Talk on “ Research and its Significance” at ESWAR QUEST-2010, January 23, 2010, at Eswar College of Engineering, Narasaraopet, Guntur, A.P., India
14. Invited Talk on “4G Technologies and Challenges “ at National Seminar,2010 at Department Computer Science and Engineering, Jawaharlal Technological University College of Engineering, Hyderabad, A.P., India
15. Invited Talk on “ 4G Technologies” at National Seminar on “ Emerging Trends in Business Management and Challenges of 21st Century Corporate Sector”, March 12-13, 2009 at ,St. Joseph’s PG College , King Koti Road, Hyderabad, A.P., India
16. Invited Talk on “Network Simulation using NS2 and other Simulators” at National Seminar on “Network Simulations using OPNET and NS-2 Tools” at V.R. Siddhartha Engineering College, Vijayawada.

Academic & Administrative Responsibilities

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

Academic & Administrative Responsibilities

- ◆ Principal from 11-07-2017 to till date.
Principal i/c, Krishna University Campus College from 16.09.2012 to 10.07.2017.
- ◆ Dean i/c, Faculty of Engineering and Technology from 22.11.2012 to till Date
- ◆ Member of First Executive Council of Krishna University
- ◆ Member of First Academic Senate of Krishna University
- ◆ Member of Planning and Monitoring Board of Krishna University
- ◆ Member of University Research Council, Krishna University
- ◆ Chairman, Faculty Research Council, Department of Computer Science, Krishna University
- ◆ Chairman, Department Research Council, Department of Computer Science, Krishna University
- ◆ HOD i/c, Department of Computer Science from 24.11.2009 to 02.06.2015
- ◆ Chairman, PG Board of Studies in Computer Science, Krishna University from 09.05.2012 to till date

- ◆ Chairman, PG Board of studies in Mathematics from 2016-17 to till date.
- ◆ Member of UG Board of Studies in Physical Sciences, Krishna University from 11.05.2012 to till date
- ◆ Technical Nodal Officer , National Knowledge Network, Krishna University from 12.01.2011 to till date
- ◆ Coordinator of Examinations, Krishna University from 26.02.2010 to 01.08.2010
- ◆ Academic Coordinator , Krishna University 20.06.2011 to 15.09.2012
- ◆ Controller of Examinations, Krishna University from 02.08.2010 to 07.12.2010 & from 15.04.2013 to 30.06.2017.
- ◆ Director of Research Admissions from 20.06.2011 to 15.09.2012
- ◆ Coordinator, Center for Research Studies 05.04.2014 to 24.05.2015
- ◆ Central Purchase Committee Member, Krishna University August 2011 to till date
- ◆ Convener, Anti-Ragging Committee, Krishna University
- ◆ University Representative of Academic Council of Autonomous Colleges of Krishna University
 - PB. Sidhartha Science & Arts College, Vijayawada from 14.02.2011 to 13.02.2013
 - SDMSM Kalasala, Vijayawada from 20.07.2010 to 19.07.2012 & 23.11.2015 to 22.11.2017
 - Maris Stella College, Vijayawada from 08.01.2010 to 07.01.2012, 08.01.2012 to 07.01.2014 and 19.01.2015 to 18.01.2017
 - Andhra Loyola College, Vijayawada from 12.02.2011 to 11.02.2011, 05.03.2013 to 04.03.2015 and 22.06.2016 to two years
 - Nobel College, Machilipatnam from 12.02.2011 to 11.02.2013, from 04.03.2013 to 03.03.2015 and from 20.02.2015 to 19.02.2017.
 - KBN College, Vijayawada from 21.01.2012 to 20.01.2014 and 07.02.2014 to 06.02.2016
 - AG& SG College, Vuyyur from 05.05.2012 to 04.05.2014 & 25.09.2014 and 24.08.2016 to till date

- ◆ Governing Body member , Montessori Mahila Kalasala, Vijayawada
- ◆ Governing Body member , Satavahana College, Vijayawada 13.11.15 to 12.11.2017.

Member of Committees

- Nodal Officer, National Academic Depository (NAD), Krishna University
- Member of APSCHE Committee to monitor the implementation of Aadhar Based Bio-Metric attendance in Universities and Affiliated Colleges and Nodal Officer KRU & ANU Region.
- Member of KRU Sports Board 2011-12 to till date
- Regional Coordinator, APICET-2016 under Jurisdiction of Krishna University
- Member of Editorial Board, KRU Annual Report 2014-15
- UGC Expert Committee Member for K.B.N College, Vijayawada for the extension of Autonomous Status dt. 03.11.2015
- UGC Expert Committee Member for A.N.R College, Gudivada.
- Technical Expert Committee Member for RGUKT, Nuzvid and RGUKT, Rk Valley Kadapa.
- High level Committee Member of APSCHE to conduct Online Examinations for all SETs 2016-17
- Treasurer, Krishna University Inter Collegiate Youth Festivals 2012, 2013, 2014 & 2015.
- Treasurer, First, Second & Third Convocations of Krishna University

Seminars & Workshops Organized

- Organized a Seminar on “Recent Trends in Information and Communication Technologies”, 7-8, January 2011 as Chairperson and Convener.
- Organized a Seminar on “Recent Trends in Information and Communication Technologies”, 30-31 March 2015 as Convener

- 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**

Academic & Administrative Responsibilities

- Principal Incharge
- 1. 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
- 2. Officer, Examination - June 2007 to February 2008
- iii. **Worked as Assistant Professor in the Department of Computer 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**
17. 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**

International Publications:

1. P. Ravikiran, Y.K. Sundara Krishna, "Host Based Handover Approaches for Three-Tier NGN Architecture". *International Journal of Applied Engineering Research(IJAER)*,ISSN : 0973-9769, 2017.
2. G K Mohan Devarakonda, Y K Sundara Krishna, "Device Enabled Architecture for Context Aware Applications", *International Journal of Advanced Research in Computer Science (IJARCS, UGC Approved Journal No.2503)*, ISSN : 0976-5697, October 2017.
3. G K Mohan Devarakonda, Y K Sundara Krishna, "Context Based GIS Location Information System", *International Journal of Computer Applications (IJCA)*, ISSN : 0975-8887, Vol.160,No.5, February 2017.
4. Ch. N. Manisha, E. Sreenivasa Reddy and Y. K. Sundara Krishna. "Post-Processing for Glyph-Based Offline Handwritten Telugu Characters Recognition System". *International Journal of Computational Intelligence Research(IJCIR)*, Vol.12, Issue. 2, ISSN 0974-1259, 2016.
5. Ch. N. Manisha, E. Sreenivasa Reddy and Y. K. Sundara Krishna. "Slant correction for Offline Handwritten Telugu Isolated Characters and Cursive Words". *International Journal of Applied Engineering Research(IJAER)*, Vol.11, Issue. 4, ISSN 0973-4562, 2016.
6. Ch. N. Manisha, E. Sreenivasa Reddy and Y. K. Sundara Krishna. "Role of offline Handwritten Character Recognition System in Various Applications". *International Journal of Computer Applications(IJCA)*, Vol.135,No. 2, ISSN 0975-8887, February 2016.
7. P.J.S. Kumar, V. Venkata Krishna, Y.K. Sundara Krishna "Age Classification based on Rotational Invariant Features", *Journal of Theoretical and Applied Information Technology*, ISSN 1992-8645, March 2016.
8. Ch. N. Manisha, E. Sreenivasa Reddy and Y. K. Sundara Krishna. "Glyph Segmentation for Offline Handwritten Telugu Characters ". *Advances in Intelligent Systems and Computing(AISC)*, Vol.542, ISSN 2194-5357, 2016.
9. Sujatha Kamepalli, Raja Sekhara Rao Kurra, Sundara Krishna Y.K., "A Survey of Frequent and Infrequent Association Rule Mining Models", *International Journal for Development of Computer Science & Technology(IJDCST)*, ISSN: 2320-7884, Volume-9, Issue-21, June 2016.
10. Sujatha Kamepalli, Raja Sekhara Rao Kurra, Sundara Krishna Y.K., "A Novel Method based on AND logic for Frequent, Infrequent and Non-present Item Set Mining in Transactional Databases", *International Journal of Engineering Research and Development*, ISSN: 2278-067X, Volume-12, Issue-2-IV, February 2016.
11. Sujatha Kamepalli, Raja Sekhara Rao Kurra, Sundara Krishna Y.K., "A survey on Different Tree Structures used in Frequent Pattern Mining", *SS International Journal of Multidisciplinary Research*, ISSN: 2395-7964, Volume-2, Issue-7, October 2015.
12. Ch. N. Manisha, E. Sreenivasa Reddy and Y. K. Sundara Krishna. "A Hierarchical Pre-processing Model for Offline Handwritten Document Images". *International Journal of Research Studies in Computer Science and Engineering*, Vol. 2, Issue. 3, pp. 41-45, March 2015.

13. Ravikiran, P, Sundara Krishna, Y. K.. "Direction Sensitive Approach for Context Based Mobility Model". *International Journal of Research Studies in Computer Science and Engineering (IJRSCSE)*, 2(3), pp.46-48.,March 2015
14. S. Sai Kumar, Dr. Y. K. Sundara Krishna published a paper titled "Mobility Management for Next Generation Mobile ID" in International journal of Research Studies in Computer Science and Engineering, ISSN: 2349-4859, Volume-2 Issue 3, March 2015, pp 70-76.
15. P.J.S. Kumar, V. Venkata Krishna, Y.K. Sundara Krishna "Classification of Metals using Texture Features", International Journal of Emerging Engineering Research and Technology, ISSN Print 2349-4395,ISSN Online 2349-4409, pp 120-123, Volume-3, Issue-4(A), , March 2015.
16. S. Sai Kumar, Dr. Y. K. Sundara Krishna published a paper titled "Mobility Management for Next Generation Mobile ID" in International journal of Research Studies in Computer Science and Engineering, ISSN: 2349-4859, Volume-2 Issue 3, March 2015, pp 70-76.
17. Ch. Ratnajyothi,, Y.K. Sundara Krishna,, V. Srinivasa Rao, "Adaptive Unsupervised Abnormal Behavior Detection for Real-time Surveillance using optical flow Method", International Journal of Emerging Engineering Research and Technology, ISSN Print 2349-4395,ISSN Online 2349-4409, pp 30-33, Volume-3, Issue-4(A), , March 2015.
18. G K Mohan Devarakonda, Y K Sundara Krishna, "A Survey on Architectures of Mobile Operating Systems: Challenges and Issues ", International Journal of Research Studies in Computer Science and Engineering(IJRSCSE), ISSN : 2349-4840, Volume-2, Issue-2, March 2015.
19. S. Siva Nageswara Rao, Y. K. Sundara Krishna, K.Nageswara Rao,"An active Topology based Routing approaches for Wireless Mesh Networks", Electrical, Electronics, Signal, Communication and Optimization (EESCO-2015),IEEE explore 978- 1-4799-7678-2/15 , January 2015.
20. B.V. Praveen Kumar, Y.K. Sundara Krishna, "Context Based Performance Review of AODV and DSDV Protocols in Adhoc Community", International Journal of Emerging Engineering Research and Technology, ISSN Print 2349-4395,ISSN Online 2349-4409, pp 18-24, Volume-3, Issue-4(A), , March 2015.
21. Y. Madhavi Latha K. Rajasekara rao, Y.K. Sundara Krishna, "A Review of Differen Techniques on Preserving Data Mining, "International Journal of Emerging Engineering Research and Technology, ISSN Print 2349-4395,ISSN Online 2349-4409, pp 1-7, Volume-3, Issue-4(A) , March 2015.
22. Sujatha Kamepalli, Raja Sekhara Rao Kurra, Sundara Krishna Y.K., "Infrequent Pattern Mining from Weighted Transactional Data Set", International Journal of Research Studies in Computer Science and Engineering, Academicians' Research Center, ISSN Print: 2349-4840, ISSN: 2349-4859, pp 1-5, Volume-2, Issue-3, March 2015.
23. M. Ravi Kumar, Y.K. Sundara Krishna, " Service Oriented Smart City Management Framework", International Journal of Research Studies in Computer Science and Engineering, Academicians' Research Center, ISSN Print: 2349-4840, ISSN: 2349-4859, pp 33-37, Volume-2, Issue-3, March 2015.
24. Y.K. Sundara Krishna, G.K. Mohan Devarakonda, "A Survey on Architecture of Mobile Operating Systems: Challenges and Issues", International Journal of Research Studies in Computer Science and Engineering, Academicians' Research

Center, ISSN Print: 2349-4840, ISSN: 2349-4859, pp 73-76, Volume-2, Issue-3, March 2015.

25. A. Srinivasa Rao, Y.K. Sundara Krishna, V. Venkata Krishna, "Image Retrieval Based on Structural and Statistical Methods of Texture", International Journal of Research Studies in Computer Science and Engineering, Academicians' Research Center, ISSN Print: 2349-4840, ISSN: 2349-4859, pp 80-87, Volume-2, Issue-3, March 2015.
26. Ravi Kiran, P., Sundara Krishna, Y. K. , "Service Management Strategies for Next Generation Networks.", International Journal of Computer Engineering & Technology (IJCET), 4(5) pp.258-266, March 2015
27. Josyula Siva Phaniram, G.P. Saradhi Varma, Y.K. Sundara Krishna, "Amalgam Intellectual Inteference Revealing System", International Journal of Research Studies in Computer Science and Engineering, Academicians' Research Center, ISSN Print: 2349-4840, ISSN: 2349-4859, pp 95-98, Volume-2, Issue-3, March 2015.
28. Sujatha Kamepalli, Raja Sekhara Rao Kurra, Sundara Krishna Y.K., "Infrequent weighted Item Set Mining in Complex Data Analysis", International Journal of Computer Applications, ISSN: 0975-8887, Volume-103, No.5, 2014.
29. Sujatha Kamepalli, Raja Sekhara Rao Kurra, Sundara Krishna Y.K., "Performance Description of Different Algorithms on Weighted Item Set Mining", International Journal of Applied Engineering Research, ISSN: 0973-4562, Volume-9, No.21, 2014.
30. Sujatha Kamepalli, Raja Sekhara Rao Kurra, Sundara Krishna Y.K., "Apriori Based : Mining Infrequent and Non-Present Item Sets from Transactional Databases", International Journal of Electrical and Computer Sciences, ISSN: 2077-1231, Volume-14, Issue-3, June 2014.
31. Ch. N. Manisha, E. Sreenivasa Reddy and Y.K. Sundara Krishna. "A Study on Recognition Methods of Telugu Numerals and Characters", *International Journal of Emerging Technology in Computer Science and Electronics*, Vol. 11, Issue 5, pp. 81-86, ISSN: 0976-1353, November 2014.
32. S. Sai Kumar, Dr. Y. K. Sundara Krishna published a paper titled "Next Generation Mobile ID for Generalized Mobility" in International journal of Emerging Technology in Computer Science and Electronics, ISSN: 0976-1353, Volume-11 Issue 5, November 2014, pp 69-71.
33. S. Sai Kumar, Dr. Y. K. Sundara Krishna published a paper titled "Mobility Management in NGN using NGNMID" in International journal for Development of Computer Science & Technology(IJDCST), ISSN: 2320-7884, Special Issue, November 2014.
34. Y.K. Sundara Krishna, " Mobility Management in NGN using NGNMID", International Journal for Development of Computer Science & Technology(IJDCST), ISSN 2320-7884(Online), ISSN 2321-0257(Print), 2014.
35. Ravikiran, P, Sundara Krishna, Y. K.. "An efficient Data sharing Technique in the Colud : An ESDT". *International Journal on Recent Innovation Trends in Computing and Communication (JRITCC)*, ISSN 2321-8169, Vol.2 Issue-6 , 2014
36. Ch.Suresh Babu, Y. K. Sundara Krishna, "Service Paradigms for Next Generation Networks", International Journal of Scientific and Innovative Mathematical Research (IJSIMR), Page no. 97-99, Volume 2, Issue 7A, August 2014.

37. P. Ravi Kiran, Y.K. Sundara Krishna,. (2014). "TOPSIS method for Handover Decision in Next Generation Networks". *International Journal of Emerging Technology in Computer Science & Electronics (IJETCSE)*, 11(5), pp.72-76., ISSN: 0976-1353.
38. K.LakshmiNadh, Y.K.Sundara Krishna and K.Nageswara Rao "Feedback enabled transmission control protocol for next generation networks" *International Journal of Applied Engineering Research* ISSN 0973-4562 Volume 10, Number 13 (2015) pp 33211-33214.
39. K.LakshmiNadh, Y.K.Sundara Krishna and K.Nageswara Rao "Dynamic Channel Allocation in Wireless TCP using BAWTCP" *International Journal of Emerging Engineering Research and Technology* ISSN Print 2349-4395, ISSN 2349-4409 Volume-3, Issue-4(A).
40. K LakshmiNadh, Y. K. Sundara Krishna, K.Nageswara Rao, "Acknowledgement Time Delay approach to optimize TCP Performance in Hybrid Network Systems" ,*International Journal of Computer Applications* ,Vol 102-No 8,Page No 5-11, September 2014,ISSN No: (0975 – 8887) , impact factor 0.791.
41. S. Siva Nageswara Rao, Y. K. Sundara Krishna, K.Nageswara Rao,"An Elliptical Routing Protocol for Wireless Mesh Networks: Performance Analysis", *International Journal of Computer Applications* ,Vol 102-No 8,Page No 29-34, September 2014,ISSN No: (0975 – 8887) , impact factor 0.791.
42. Chinta Naga Manisha, E. Sreenivasa Reddy, Y. K. Sundara Krishna, "A Survey of Image Retrieval Systems", *International Journal of Scientific and Innovative Mathematical Research (IJSIMR)*, Volume 1, Issue 7A, August 2014, pp. 13-17, ISSN: 2347-3.
43. P. Ravi Kiran, Y. K. Sundara Krishna, "Approaches for Network Selection in Vertical Handover of Next Generation Networks (NGN)", *International Journal of Scientific and Innovative Mathematical Research (IJSIMR)*, Volume 1, Issue 7A, August 2014, pp. 18-24, ISSN: 2347-307X.
44. M. Ravi Kumar, Y. K. Sundara Krishna, "Service oriented Architecture for Next Generation Networks", *International Journal of Scientific and Innovative Mathematical Research (IJSIMR)*, Volume 1, Issue 7A, August 2014, pp. 30-35, ISSN: 2347-307X.
45. Ch. Ratna Jyothi, V. Srinivasa Rao, Y. K. Sundara Krishna, "Fuzzy Segmentation of Brain MRI Tensor Image", *International Journal of Scientific and Innovative Mathematical Research (IJSIMR)*, Volume 1, Issue 7A, August 2014, pp. 36-39, ISSN: 2347-307X.
46. S. Sai Kumar, Y. K. Sundara Krishna, "Mobile ID Structure for Next Generation Networks", *International Journal of Scientific and Innovative Mathematical Research (IJSIMR)*, Volume 1, Issue 7A, August 2014, pp. 70-76, ISSN: 2347-307X.
47. Y. K. Sundara Krishna, Ch. Suresh Babu, "Service Paradigms for Next Generation Networks", *International Journal of Scientific and Innovative Mathematical Research (IJSIMR)*, Volume 1, Issue 7A, August 2014, pp. 97-99, ISSN: 2347-307X.
48. A. Srinivasa Rao, Y. K. Sundara Krishna, V. V. Krishna, "Distributed Computing Algorithms for Mobile Computing Networks", *International Journal of Scientific and Innovative Mathematical Research (IJSIMR)*, Volume 1, Issue 7A, August 2014, pp. 114-117, ISSN: 2347-307X.
49. P. Ravi Kiran, Y.K. Sundara Krishna "A Study Report on Authentication Protocols in GDM, GPRS and UMTS", *International Journal of Engineering Research and*

Development (IJERD), Volume 10, Issue 6, June 2014, pp. 58-64, e-ISSN: 2278-067X, p-ISSN: 2278-800X.

50. P. Ravi Kiran, Y.K. Sundara Krishna "MIDP Based J2ME Driver for accessing MySQL from Mobile Devices", International Journal of Innovative Science, Engineering & Technology (IJSET), Volume 1, Issue 3, May 2014, pp. 164-168, ISSN: 2348-7968.
51. P. Ravi Kiran, Y.K. Sundara Krishna "A Comparative study on Java Mobile Clients with Data Caching in Accessing Information Systems", International Journal of P2P Network Trends and Technology (IJPTT), Volume 8, May 2014, pp. 17-20, ISSN: 2249-2615.
52. P. Ravi Kiran, Y. K. Sundara Krishna, "Context Based Mobility Model for Next Generation Networks", International Journal of Advanced Computational Engineering and Networking (IJACEN), Volume 1, Issue 10, Dec. 2013, pp.19-22, ISSN: 2320-2106, DOI: IJACEN-IRAJ-DOI-110.
53. P. Ravi Kiran, Y. K. Sundara Krishna, "Service Management Strategies for Next Generation Networks", International Journal of Computer Engineering & Technology (IJCET), Vol. 4, Issue. 5, pp. 258-266, ISSN 0976 – 6367(Print) ISSN 0976 – 6375(Online) September 2013
54. S.Siva Nageswara Rao, Y. K. Sundara Krishna, K.Nageswara Rao, "Performance Evaluation of Routing Protocols in Wireless Mesh Networks" International Journal of Computer Applications ,ISSN: 0975–8887,Volume 68–No.7, April 2013.
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Inter National Conference Proceedings

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2. Ch. N. Manisha, E. Sreenivasa Reddy and Y. K. Sundara Krishna. "A Method of Baseline Correction for Offline Handwritten Telugu Text Lines". Proceedings of Third International Conference on Information system design and Intelligent Applications Springer India (SPRINGER), ISBN 978-81- 322-2755-7, Volume.433, 2016.
3. Ch. N. Manisha, E. Sreenivasa Reddy and Y.K. Sundara Krishna. "Rule based recognition of printed Telugu numerals", Proceedings of International Conference on ACE-2014, IDES, Tata McGraw Hill Education Professional, pp. 143-151, December 2014
4. Ravikiran, P, Sundara Krishna, Y. K.. "Effective Utilization of Access Networks of NGN using Rough sets". Proceedings of First *International Conference on Rough sets and Knowledge Technologies*, ISBN : 9-799351-072980, 2014
5. P. Ravi Kiran, Y.K. Sundara Krishna, (2014). "Path Guiding Algorithm for Context Based Mobility Model", Proceedings. of 2014 International Conference on Communication and Network Technologies, Ed. IEEE Madras Section, pp.38-41
6. P. Ravi Kiran, Y.K. Sundara Krishna,, "Effective Utilization of Access Networks of NGN using Rough Sets", Conference Proceedings of the 1st International Conference on Rough Sets and Knowledge Technologies-2014", 9-11 November 2014, Elsevier, ISBN-978-935-107298-0 Department of Computer Science and Engineering, Jawaharlal Nehru Technological University, Hyderabad, India.
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10. 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 Conference Proceedings

1. P. Ravi Kiran, Y.K. Sundara Krishna, “Load Efficient Handover Schemes for Terminal Mobility in Next Generation Networks (NGN)”, Proceedings of National Seminar on Algebra and Analysis-Gateway to modern Technology-AAGMT-2013, January 29-30, 2013 ISBN: 978-8-18-424835-7 , Department of Mathematics, Meenakshi College for Women, Kidambakkam, Chennai, India.
2. 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.
3. 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.

International Presentations

1. P. Ravi Kiran, Y.K. Sundara Krishna, “Network Based Handover Approaches for Three Tier NGN Architecture”, 9-11 November, 2017, International Conference on Rough Sets and Soft Computing in Big Data Realm”, hosted by CVR College of Engineering, Hyderabad
2. D. G. Krishna Mohan, Y.K. Sundara Krishna, “ Context Information Device Enriched Architecture for Context Computing”, 9-11 November, 2017, International Conference on Rough Sets and Soft Computing in Big Data Realm”, hosted by CVR College of Engineering, Hyderabad
3. K. Lakshminath, Y.K. Sundara Krishna, “ Minimal Infrequent Weighted Item Set Mining”, 24 May, 2015 , International Research Conference on “ Electrical, Electronics and Computer Engineering(ICEECE)”, organized by Institute of Research Journals, Bangalore.
4. S. Siva Nageswara Rao, Y. K. Sundara Krishna, K.Nageswara Rao, An Active Topology based Routing approaches for Wireless Mesh Networks, International Conference on Electrical, Electronics, Signal, Communication and Optimization (EESCO-2015) held on 24 and 25 Jan 2015, by IEEE Explore 978-1-4799-7678-2/15.
5. P. Ravi Kiran, Y.K. Sundara Krishna, “Effective Utilization of Access Networks of NGN Using Rough Sets” , 9-11 November, 2014, International Conference on Rough Sets and Knowledge Technologies-2014(ICRSKT-2014), organized by Department of Computer Science and Engineering , JNTUH College of Engineering in Collaboration with the Indian Society for Rough Sets, Hyderabad.
6. P. Ravi Kiran, Y.K. Sundara Krishna, “Context Based Mobility Model for Next Generation Networks”, International Conference on Electrical, Electronics, Computer Science and Mathematics Physical Education and Management (ICEECMPE), November 2, 2013, New Delhi ISBN: 978-93-82702-37-5.
7. S. Siva Nageswara Rao, Y.K. Sundara Krishna, “A Virtual Zone Based Multicasting for Mobile Ad Hoc Networks”, International Conference on “ Computer Science and

Information Technology (ICCSIT)", 10 March, 2013, organized by Interscience Research Network at Hyderabad, India.

8. S. Siva Nageswara Rao, Y.K. Sundara Krishna, " Secure-Key Distribution Scheme For Multicast Applications", International Conference on "Information, Computing and Telecommunications(ICICT)", 20 January, 2013, Chennai, India..
9. K.LakshmiNadh, M.Prasanna, Y. K. Sundara Krishna, "Adversary Dealings in Failure Tolerant Anonymizing Networks", International Conference on Computing @ NECICC2K13 on July 12-13, 2013, Narasaraopeta, A.P., India.
10. G. Parimala, Y.K. Sundara Krishna, G. Gowthami, " Multicast Routing Protocols for Wireless Mesh Networks: A Survey", International Conference on Computing @ NECICC2K13 on July 12-13, 2013, Narasaraopeta, A.P., India.
11. B.V. Praveen Kumar, Y.K. Sundara Krishna, " Achieving Node Mobility in MANETs with a Hybrid Routing Algorithm", International Conference on Computing @ NECICC2K13 on July 12-13, 2013, Narasaraopeta, A.P., India.
12. P. Ravi Kiran, Y.K. Sundara Krishna, " Token Based Service Management Strategies in Next Generation Networks" , International Conference on Computing @ NECICC2K13 on July 12-13, 2013, Narasaraopeta, A.P., India.
13. Ch.K.Prathusha, Y.K. Sundara Krishna, S.Siva Nageswara Rao "A Virtual Zone based Multicasting for Mobile Adhoc Networks", International Conference on Computer Science and Information Technology, March 10, 2013, IRNet (India), Hyderabad.
14. P. Sudheer Kumar, Y.K. Sundara Krishna, "Secure Key Distribution Scheme for Multicast Applications", International Conference on Information, Computing and Telecommunications, January 20, 2013, IR Net(India), Chennai.
15. 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.
16. Y.K. Sundara Krishna, C. Raghavendra Rao "Mobile Tracking Process: Look Ahead approaches", ICORAID-2005-ORSI International Conference, Indian Institute of Science, Bangalore December 27-29 , 2005.
17. 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.
18. 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:

1. S Siva Nageswara Rao, Y. K. Sundara Krishna, K.Nageswara Rao, Mobility management issues in Wireless Mesh Networks, Recent Trends in Information and communication Technology organized by Department of Computer Science ,Krishna University, March 2015
2. Saikumar, Y.K. Sundara Krishna, " Next Generation Mobile ID for Generalized Mobility", 12-13 December 2014, National Seminar on "Ethical Hacking- An Inevitable

Tool for a Secured Organization”, Organized by Department of Computer Science & Applications, KBN College, Vijayawada, India.

3. P. Ravi Kiran, Y.K. Sundara Krishna, “ Topsis Method for hanover decision in Next Generation Networks”, 12-13 December 2014, National Seminar on “Ethical Hacking- An Inevitable Tool for a Secured Organization”, Organized by Department of Computer Science & Applications, KBN College, Vijayawada, India.
4. Ch. N. Manisha,, Y.K. Sundara Krishna, “ A Study on Recognition Method of Telugu Numerals and Characters”, 12-13 December 2014, National Seminar on “Ethical Hacking- An Inevitable Tool for a Secured Organization”, Organized by Department of Computer Science & Applications, KBN College, Vijayawada, India.
5. P. Ravi Kiran, Y.K. Sundara Krishna,, “Approaches for Network Selection in Vertical Handover in Next Generation Networks”, 20-21 August, 2014, National Seminar on “ The Role of Mathematics and Information Sciences in Design of Sophisticated Systems” , Department of Mathematics, Andhra Loyola College, Vijayawada, India.
6. A. Srinivasa Rao, Y.K. Sundara Krishna, V.V. Krshna, “Distributed Computing Algorithms for Mobile Computing Networks”, 20-21 August, 2014, National Seminar on “ The Role of Mathematics and Information Sciences in Design of Sophisticated Systems” , Department of Mathematics, Andhra Loyola College, Vijayawada, India.
7. A. Srinivasa Rao, Y.K. Sundara Krishna, “Driver Fatigue detection and Controlling the speed of a Vehicle by Intimating to the Ecu through Communication”, 20-21 August, 2014, National Seminar on “ The Role of Mathematics and Information Sciences in Design of Sophisticated Systems” , Department of Mathematics, Andhra Loyola College, Vijayawada, India.
8. Ch. Ratna Jyothi, Y.K. Sundara Krishna, V. Srinivasa Rao, “Fuzzy Segmentation of brain MRI Tensor Image”, 20-21 August, 2014, National Seminar on “ The Role of Mathematics and Information Sciences in Design of Sophisticated Systems” , Department of Mathematics, Andhra Loyola College, Vijayawada, India.
9. Y.K. Sundara Krishna, “Categorization of Mobile Services using Rough Sets”, 20-21 August, 2014, National Seminar on “ The Role of Mathematics and Information Sciences in Design of Sophisticated Systems” , Department of Mathematics, Andhra Loyola College, Vijayawada, India.
- 10.S. Saikumar, Y.K. Sundara Krishna, “Mobile ID Structure for Next Generation Networks”, 20-21 August, 2014, National Seminar on “ The Role of Mathematics and Information Sciences in Design of Sophisticated Systems” , Department of Mathematics, Andhra Loyola College, Vijayawada, India.
- 11.A. Srinivasa Rao, Y.K. Sundara Krishna, “A Survey of Image Retrieval Systems”, 20-21 August, 2014, National Seminar on “ The Role of Mathematics and Information Sciences in Design of Sophisticated Systems” , Department of Mathematics, Andhra Loyola College, Vijayawada, India.
- 12.Y.K. Sundara Krishna, “Approaches for Network Selection in Vertical Handover in Next Generation Networks”, 20-21 August, 2014, National Seminar on “ The Role of Mathematics and Information Sciences in Design of Sophisticated Systems” , Department of Mathematics, Andhra Loyola College, Vijayawada, India.
- 13.V.Yesubabu, S.Siva Nageswara Rao,Dr.Y.K.SundaraKrishna,SD.Rizwana, “Novel Approach for security and Privacy Preservation in Service-Oriented VANET’s” International Conference ,NECICC-2k14, Aug 2014, Narasaraopeta, AP,India

14. T.Ratnakishore, K.LakshmiNadh., G.Ezrasastry, Dr.Y.K.SundaraKrishna, "Distributed R Routing Protocol for AdHoc Networks", International Conference ,NECICC-2k14, Aug 2014, Narasaraopeta, AP, India
15. P. Ravi Kiran, Y.K. Sundara Krishna, "Load Efficient Handover Schemes for Terminal Mobility in Next Generation Networks (NGN)", National Seminar on Algebra and Analysis-Gateway to modern Technology-AAGMT-2013, January 29-30, 2013 , Department of Mathematics, Meenakshi College for Women, Kidambakkam, Chennai
16. K. LakshmiNath, K. Nageswara Rao, Y.K. Sundara Krishna, "Improving TCP Performance With Delayed Acknowledgements Over Wireless Networks", National Seminar on Artificial Intelligence Robotics and Embedded Systems- AIRES-2012, June 29-30, 2012, Department of Computer Science and Systems Engineering, Andhra University, A.P., India
17. P. Ravi Kiran, Y.K.Sundara Krishna, "Network Selection in Next Generation Networks using Fuzzy Logic Controllers", National Seminar on "Recent Trends in Information and Communication Technology", January 7-8, 2012, Krishna University, Machilipatnam, A.P., India.
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21. Ch. Suresh Babu, G. Parthasarathy Varma, Y .K. Sundara Krishna, "ANDROID, A Revolutionary Mobile OS - Issues and Challenges", National Seminar on "Recent Trends in Information and Communication Technology", January 7-8, 2012, Krishna University, Machilipatnam, A.P., India.
22. S. Siva Nageswara Rao, Y. K. Sundara Krishna, K. Nageswara Rao, "An Elliptical Routing Protocol for Wireless Mesh Networks", National Seminar on "Recent Trends in Information and Communication Technology", January 7-8, 2012, Krishna University, Machilipatnam, A.P., India.
23. P. L. N. Prakash Kumar, N. Hari Prasad, Y. K. Sundara Krishna , "Modeling Service Oriented Architecture for Heterogeneous Smart Handoff Mobile", National Seminar on "Recent Trends in Information and Communication Technology", January 7-8, 2012, Krishna University, Machilipatnam, A.P., India.
24. D. G. Krishnamohan, Y. K. Sundara Krishna, "SOA Based Geographical Mobile Applications", National Seminar on "Recent Trends in Information and Communication Technology", January 7-8, 2012, Krishna University, Machilipatnam, A.P., India.
25. Y. K. Sundara Krishna, A. Vasudeva Sastry, V. D. Phani Kumar, "Solving Multiple Downloading Problem Using Globus Tool Grid", National Seminar on "Recent Trends in Information and Communication Technology", January 7-8, 2012, Krishna University, Machilipatnam, A.P., India.

- 26.S. Chandra, Y. K. Sundara Krishna, "Hierarchical Mobile IPV6 in Network Simulator 2", National Seminar on "Recent Trends in Information and Communication Technology", January 7-8, 2012, Krishna University, Machilipatnam, A.P., India.
- 27.M. Srinivasulu, Y. K. Sundara Krishna, "Tracking the Mobile Location by using GPS", National Seminar on "Recent Trends in Information and Communication Technology", January 7-8, 2012, Krishna University, Machilipatnam, A.P., India.
- 28.Sd. Rizwana, S. Siva Nageswara Rao, Y. K. Sundara Krishna , " An Efficient Route Recovery Approach in Wireless Mesh Networks", National Seminar on "Recent Trends in Information and Communication Technology", January 7-8, 2012, Krishna University, Machilipatnam, A.P., India.
- 29.V. S. R. K. Sarma, M. Sitaram Kumar, Y. K. Sundara Krishna, " Building a Telugu Thesaurus System", National Seminar on "Recent Trends in Information and Communication Technology", January 7-8, 2012, Krishna University, Machilipatnam, A.P., India.
- 30.K. Lakshmi Nadh, K. Nageswarao Rao, Y. K. Sundara Krishna, " Proposed Solutions for Non-Congestion Events of TCP over Wireless Networks", National Seminar on "Recent Trends in Information and Communication Technology", January 7-8, 2012, Krishna University, Machilipatnam, A.P., India.
- 31.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
- 32.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
- 33.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
- 34.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
- 35.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
- 36.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
- 37.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

Workshops/Seminars Attended

1. 12th HIGHER EDUCATION SUMMIT 2016, Global conference & Exhibition, with the key motto of “Future of jobs & it’s implications on Indian higher education”, 10-12, November 2016 at Vigyan Bhavan, New Delhi, India
2. XI- ISBA 2016 CONFERENCE on 10` 11 September, 2016 at Hyatt Pune, India
3. Workshop on “National Pension Scheme”, 12 August, 2014, Sri Venkateswara University, Tirupathi, A.P., India, organized by Department of Treasuries and Accounts, Government of Andhra Pradesh.

Research Guidance

- Presently Supervising : 11 Ph D Scholars
- Submitted : 02 Ph D Scholars
- Awarded : 05 Ph D Scholars

Project Guidance

- A Project on “An Integrated Framework for University Web portal” a M. Tech thesis submitted by P. Ram Kishore, Reg. No, C08MT002182 during December , 2009 to Acharya Nagarjuna University, A.P., India

Book Publications

- UG CBCS Regulations and Semester –I Syllabus and Model papers
6th Oct 2015

Technology Contribution to the students

- Design and Developments in Mobile Computing-issues and solutions
- Design of Service Oriented Architectures for Mobile Computing Systems
- Development of Spatial Data Structures
- 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

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, Vikrampur, 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. XI- ISBA 2016 Conference ,10-11 September, 2016 At Hyatt Pune
- ii. XII Higher Education Summit 2016, 10-12, November 2016 At Vigyan Bhavan, Delhi
- iii. Workshop on “Establishment of Smart Campuses”, 29 April, 2015, Acharya Nagarjuna University, A.P., India.

- iv. NAAC Awareness Workshop on “ Role of Assessment and Accreditation in Enhancing Quality of Higher Education”, 5-6 February, 2015, Krishna University, Machilipatnam.
- v. 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.
- vi. Workshop on “ Industry Oriented Software Engineering”, January 20-22, 2003, IIS Bangalore
- vii. Workshop on “ Design and Analysis of Algorithms” December 28-29, 2002 and January 4-5,11-12, 2003, Rajamahendra College of Engineering, Hyderabad
- viii. Workshop on “ Performance Excellence” June 1-2, 2002 , Vasavi College of Engineering, Hyderabad
- ix. Workshop on Object and Component Technology” April 23-25, 2001, MJCET, Hyderabad
- x. Refresher Course on “Advanced Unix & C” at JNT University, Hyderabad from November 26 to December 15, 2001
- xi. MS-IT Mentor Training Workshops by ASCHE at Hyderabad
 - Object Oriented Programming
 - Networking
 - Great Theoretical ideas in Computer Science

6. Personal Profile

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Department of Computer Science
 Krishna University, Rajupeta
 Machilipatnam-521001
 A.P., India.

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

Date of Birth : 20-04-1970

Marital Status : Married (Two Daughters)