

RESUME

1. **Name** : Dr. D. Sreenivasa Rao
2. **Date of Birth** : 01-04-1965
3. **Father's Name** : D. Suryanarayana
4. **Qualifications** : B.Tech, M.E, Ph.D
5. **Area of Specialization** : Computer Networks
6. **Martial Status** : Married
7. **Religion** : Hindu
8. **Permanent Address**

Office : Professor, ECE dept,
JNTUH College of Engg,
Kukatpally, Hyderabad - 500085

Residence : Flat No:510, Tower 1, Swanlake ,
Opp Metro shopping mal,
Kukatpally, Hyderabad.-500072
Mobile: 9441189228

9. **E-mail** : dsraoece@gmail.com
dsraoece@jntuh.ac.in

10. Academic Qualifications

Exam Passed	Board/ University	Year	Specialization
Ph.D.	University of Hyderabad	2004	Computer Networks
M.E.	Osmania University	1994	Digital Systems
B. Tech.	Nagarjuna University	1986	Electronics and Communication Engineering
Intermediate	Board of Intermediate	1982	Maths, Physics, Chemistry
SSC	Board of Secondary Education	1980	Maths, Physics, Chemistry

11. **Total Teaching Experience** : 33 years

12. **Research Experience** : 17 years

13. Employment details :

Sl. No	Name of the Institution	Designation	From	To
1	JNTUH College of Engineering, Hyderabad.	Professor	16-03-07	Till date
2	JNTUH College of Engineering, Hyderabad.	Associate professor	01-06-2005	15-03-07
3.	JNTUA College of Engineering, Anantapur	Associate professor	01-06-2003	31-05-05
4.	JNTUA College of Engineering, Anantapur	Asst.professor	03-10-1994	31-05-03
5.	Chaitanya Bharathi Institute of Technology, Hyderabad	Lecturer	10-08-1988	30-09-1994
6.	Rural Engineering College Bhallai, Bidar (DT)	Lecturer	08-06-1987	09-08-1988

14. Administrative positions Held

Position	From	To
Head of ECE Dept. JNTUH Hyderabad	27-9-2012	29-10-2014
BoS Chair	1-11-2014	29-10-2016
Coordinator, TEQIP	03-03-2015	30-06-2018

15. Ph.D Thesis Title:

“A Novel Approach for Flow Protection for Providing Better than Best- Effort Service in the Internet”

15. Publications: 151

International Journals **98**
 International Conferences **34**
 National Conferences **19**

16. Research Projects Completed / On-going

Title of the project	Funding Agency	Duration of the project	Fund allocated	Status
Quality of Service in mobile Ad-hoc networks	UGC	2yrs 2010-2012	Rs 8,29,000/-	Completed
Disaster Management for Land Slide Detection	CoE TEQIP II	3 Yrs 2016 - 2019	Rs 25,00,000	Completed
Development of Early Warning system for landslide prediction	RPS- AICTE	3 years September 2017- September 2020	Rs 24,70,000/-	Completed
Prediction of Gravelly soil induced Landslides	TEQIP-III - CoE	6 months October 2020 to March 2021	Rs 3,00,000/-	On- going
Improving Crop productivity by Monitoring Pest, Disease and Meteorological Disasters using IoTs	CSIR- HRDG	3 years February 2021 to February 2024	Rs 20,00,000/-	On-going
Development of Avalanche Forecasting System using IoTs to Mitigate Avalanche Hazards	TEQIP-III- CoE	6 months January 2021 to June 2021	Rs 19,50,000/-	On- going
Development of Coal Mine Safety Monitoring and Alerting System using IoTs to mitigate Coal Mine Accidents	TEQIP-III -CoE	6 months January 2021 to June 2021	Rs 19,90,000/-	On-going

17. Ph.D. Guided

S. No.	Name of the Scholar	Roll No.	Title of the Thesis	Name of the University /Organization awarded Ph.D	Awarded Year
1	P Ramana Reddy	0500PH0808	Performance evaluation of certain imperceptible image watermarking techniques for color image in wavelets domain	JNTUA	2009
2	A Vani	05PHD0406	Secured Routing Protocol to defend against multiple attacks in MANETs	JNTUA	2012
3	Humaira Nishat	0703PH0828	Source Based Energy Efficient Dynamic Route Discovery Protocol for Mobile Ad hoc Networks	JNTUH	2014
4	S P V Subbarao	0603PH0828	Development of MAC protocol with adaptive Power control and Call admission control for wireless multimedia networks	JNTUH	2014
5	Chappidi Sreenivasa Rao	0703PH0828	Service Differentiated Admission control for quality of service (QoS) Improvements for wireless networks	JNTUH	2014
6	P. Ramadevi	0703PH0829	Efficient Routing in Ad Hoc Wireless Networks	JNTUH	2016
7	Sake pothalaiah	1103PH0844	Energy Efficient routing protocol for Ad Hoc and Wireless Sensor Networks	JNTUH	2016
8	A.Veera bhadrareddy	0500PH0804	Providing QoS Guarantees in IP Networks	JNTUA	2016
9	Vandana khare	1003PH0852	QoS optimization for real time multimedia traffic in WCDMA networks	JNTUH	2017
10.	Mohammed moyed Ahmed	1303PH0801	Energy efficient strategies to improve Life time of Heterogeneous wireless Sensor Networks	JNTUH	2018
11	Syeda Kausar Fatima	1103PH0866	A New Secure Clustering Approach for MANETs based on Multi-Hops and Network Mobility	JNTUH	2019
12	M.Bheemalingaiah	0500PH0601	Efficient multi path routing protocols to provide better quality of Service in Mobile Ad hoc networks	JNTUA	2019
13	Mrs M.Vijaya Lakshmi	0703PH848	Multicast Routing Protocol for Quality of service (QoS) Improvement in Adhoc Wireless Networks	JNTUH	2020

18. Workshop/FDP Organized

S.No.	RC/OC/W/S/C/T/TP/Sy/FDP)	Title of the Programme	Dates, Month & Year
1	Training programme	10 days training programme on C programming and data structures	27 th Jan 2020 to 6 th Feb 2020
2	Workshop	Smart Technologies and Emerging Trends	22 nd to 26 th February 2016
3	Workshop	One Week Workshop on Wireless Sensor Networks and Its Applications	4-9, July, 2015
4	Three-Day Workshop	Workshop on Outcome Based Accreditation	15 th to 17 th February 2014
5	Workshop	Two Day National Level workshop Simulation of wireless using NS2	4-5 July, 2014
6	Workshop	Two Day National Level workshop Simulation of wireless Networks	15-16, April, 2013

19. Workshops (W), Seminars (S), Conferences (C) Attended

S.No.	W/S/C	Title of the Programme	Place	Dates, Month & Year
1	One day Workshop	Telecommunication and Information Technology	Falcon Electro-Tek Pvt.LTD. Mumbai	13 th December 2007
2	Three-Day Workshop	Cellular & Wireless Technologies	JNTU College of Engineering, Hyderabad, Keshav Memorial Institute of Technology, Hyderabad	29 th to 31 st 2008
3	International Conference	Systemics, Cybernetics and Informatics (ICSCI)-2011	Taramati Baradari Culture Complex, Ibrahimbagh Gandipet Road, Hyderabad	5 th to 8 th January 2011

4	International Conference	Advances in Science and Engineering ICRASE 2012	Taj Deccan, Hyderabad	October 30 th to 31 st 2012
5	International Conference	Electrical, Electronics and Data Communication (ICEEDC)	(ICEEDC), Hyderabad	November 18 th 2012
6	Workshop	Professional Development Programme	Engineering Staff College of India	January 23 rd to 25 th 2012
7	Academic Leadership Programme	Management Development Programme	Indian Institute of Management Kozhikode	March 11 th to 22 nd 2013
8	Conference	International Journal of Scientific Engineering and Technology Research(IJSETR-2013)	SEMAR Groups	September-2013
9	2 nd International Conference	Recent Advances in Design, Development and Operation of Micro Air Vehicles ICRAMAV – 2013	JNTUHCEH	November 21 st to 23 rd 2013
10	2 nd International Conference	Innovation in Electronics and Communication Engineering (ICIECE-2013)	Guru Nanak Institute of Technology, Hyderabad	August 09 th 10 th 2013
11	1 st International Conference	Robotics and Mechatronics NCRAM-2014	Directorate of Innovative Technologies, JNTUH, Hyderabad	March 12 th to 13 th 2014
12	4 th National Conference	Computer Networks & Information Security (NCCNIS-2015)	Vasavi College of Engineering, Hyderabad	March 04 th to 05 th 2015
13	International Conference	Electrical, Electronics and Computer Engineering ICEECE-Chennai	I Raj Research Forum	26 th July 2015

14	Conference	International Journal of Engineering Redearch & Technology	ICESMART-2015	30 th March 2015
15	4 th National Conference	Computer Networks & Informatin Security (NCCNIS-2015)	Vasavi College of Engineering, Hyderabad	March 4 th to 05 th 2015
16	Certificate of Publication	Global Journal For Reasearch Analysis		August 4 th to 8 th 2015
17	Illuminate 2K 15	Techno Fest and Cultural Symposium	St. Mary”s Group, Hyderabad	September 22 nd to 23 rd 2015
18	National Conference	Sharing of Innovative Ideas and Achievements of Centers of Excellence	MHRD, NPIU	April 21 st to 23 rd 2016
19	IEEE Internationa l conference	Power, control.Signals & Instrumentation Engineering (ICPCSI)-2017	Saveetha Engineering college Channai	21st to 22nd Sep-2017

20. PUBLICATIONS

INTERNATIONAL JOURNALS

1. “Kollem S., Reddy, K.R.L. Dr D Sreenivasa Rao,, “Improved partial differential equation-based total variation approach to non-subsampled contourlet transform for medical Image denoising” Multimedia Tools and Applications ISSN No: 1380-7501, DOI:<https://doi.org/10.1007/s11042-020-09745-1>, Page No: 1– 27, September 2020
2. “Kollem S., Reddy, K.R.L Dr D Sreenivasa Rao,, “An optimized SVM based possibilistic fuzzy c-means clustering algorithm for tumor segmentation” Multimedia Tools and Applications ISSN No: 1380-7501 DOI: <https://doi.org/10.1007/s11042-020-09675-y>, page No : 1-31, September 2020
3. , “Kollem S., Reddy, K.R.L., Dr D Sreenivasa Rao.. Modified transform-based gamma correction for MRI malignant image denoising and tumor segmentation by optimized Histon based elephant herding algorithm. International Journal of

Imaging Systems and Technology, <https://doi.org/10.1002/ima.22429>, 1-23. Feb 2020

4. Mahesh, D. Sreenivasa Rao Implementation of Tree Based and Chain Based Routing Protocols in Wireless Sensor Networks International Journal of Scientific and Engineering Research (IJSER) September 2019 Volume 10, Issue 9,
5. D.Srinivasa Rao, Kadari Rasagnya Performance Evaluation Of Enhanced Energy Efficient Multipath Routing Protocol In Wireless Sensor Networks” International Journal of Engineering and Science Invention (IJESI) November 2019 Vol No 08 Issue No. 11
6. P.S.Subhashini, M.SatyaSairam, D.Sreenivasa Rao Hu Moments Based Gesture Recognition using Back Propagation Neural Networks International Journal of Research Volume VIII, Issue IV, April-2019 ISSN NO:2236-6124
7. S Anuradha and D Sreenivasa rao “A Network Coded Mobile Agent Based Energy Efficient Data Gathering Scheme for Heterogeneous Wsns(IJRTE), Volume 8, issue 1, May 2019 (Scopus)
8. S Anuradha and D Sreenivasa rao “An Energy Efficient Data Aggregation Technique Using Multi-Sink Infrastructure in Heterogeneous Wireless Sensor Network(IJITEE), Volume 8, issue 8, June 2019 (Scopus)
9. S Anuradha and D Sreenivasa rao “ Efficient Priority Based Scheduling Scheme with Multi Sink Infrastructure in Heterogeneous Wireless Sensor Networks ”, Journal of Emerging Technologies and Innovative Research(JETIR), Volume 6, Issue 12, December 2019.

10. Kollem, S., Reddy, K. R. L., & Rao, D. S.. Denoising and segmentation of MR images using fourth-order non-linear adaptive PDE and new convergent clustering. International Journal of Imaging Systems and Technology, 29(3), 195-209. Nov 2019
11. Kollem, S., Reddy, K. R. L., & Rao, D. S). A Review of Image Denoising and Segmentation Methods Based on Medical Images. International Journal of Machine Learning and Computing, 9(3), 288-295. june 2019
12. Kollem, S., Reddy, K. R. L., & Rao, D. S. Image Denoising by using Modified SGHP Algorithm. International Journal of Electrical and Computer Engineering, 8(2), 971-978. Nov 2018
13. S Anuradha and D Sreenivasa rao “A Survey On Energy Aware Routing in WSN”,Journal of Emerging Technologies and Innovative Research(JETIR), Volume 5, Issue 6 , June 2018,
14. S Anuradha and D.Sreenivasa rao “EEOCMR: An Energy Efficient Optimal Clustered Based Multi-hop Routing protocol for WSN”Journal of Emerging Technologies and Innovative Research(JETIR), Volume 5, Issue 6 , June 2018,.
15. S Anuradha and D.Sreenivasa rao “Energy –Efficient Expected Transmission count protocol for WSN”, Journal of Emerging Technologies and Innovative Research(JETIR), Volume 5, Issue 6 , July 2018,
16. G.Narsimhulu, Dr.D.Srinivasa Rao, “Qos and Energy Aware Routing Protocol for Real Time and Non Real Time Applications In Wireless Sensor Networks “International Journal of Scientific Research and Review, Volume7-Issue6-June2018

17. G.Narsimhulu, Dr.D.Srinivasa Rao, “Architecture and Survey on Protocol Stack of Wireless Sensor Networks”, International Journal of Innovations & Advancement in Computer sciences(JIACS),Volume7-Issue4-April 2018
18. Mohammed Moyed Ahmed, Dr. D. Sreenivasa Rao "Stable Heterogeneous Energy Efficient Protocol with Optimum Clustering (SHEEP-OC) For in Wireless Sensor Network" International Journal of Emerging Technologies in Engineering Research(IJETER), Website: www.ijeter.everscience.org (Volume 6, Issue 3, March 2018).
19. Mohammed Moyed Ahmed, Dr. D. Sreenivasa Rao "SHEEP-OC with adaptive sensing; An Energy Efficient data gathering scheme in WSNs" IJRECE, Website: www.ijetae.com (ISSN 2393-9028, Certified Journal, Volume 6, Issue 1, March 2018).
20. Mohammed Moyed Ahmed, Dr. D. Sreenivasa Rao "Stable Heterogeneous Energy Efficient Cluster Based Protocol (SHEEP) For Application-Specific WSNs" International Journal of Emerging Technology and Advanced Engineering, Website: www.ijetae.com (ISSN 2250-2459, ISO 9001:2008 Certified Journal, Volume 8, Issue 1, January 2018).
21. M.Vijayalakshmi, Dr.D.Sreenivasa Rao,QoS Aware Multicasting using the enhanced differential evolution cuckoo search routing protocol in MANET",accepted by IJMNDI journal,Oct.,2017.
22. M.Vijayalakshmi, Dr.D.Sreenivasa Rao, “Cluster Based Multicast Adhoc on Demand Routing Protocol for Increasing Link Stability in Manets”GJCST, Volume 17, Issue 2 ,Version 1.0, ISSN: 0975-4172, April 2017.

23. M.Vijayalakshmi, Dr.D.Sreenivasa Rao, “Quality of Service StabilityBased Multicast Routing Protocol For Manets” ,Computer Science & Engineering: An International Journal (CSEIJ), Vol.7, No.1, February 2017.

24. SyedaKausar Fatima, Dr. Syed Abdul Sattar, Dr. D. SrinivasaRao, “Attack Resistance Dynamic Detection and Data Trust Routing in MANET”, Communications on Applied Electronics, ISSN 2394-4714, Volume 7 – No.3, June 2017, pp. 19-25

25. SyedaKausar Fatima, Dr. Syed Abdul Sattar, Dr. D. SrinivasaRao, “Trust Enhanced Dynamic Routing For MANET”, International Journal of Advanced Research in Engineering and Technology ISSN Print: 0976-6480, Volume 8, Issue 3, May - June 2017, pp. 25–36

26. Mrs. Vandana Khare, Y. MadhaveeLatha and D. SreenivasaRao “Adaptive Power control for Quality of service improvement in WCDMA Wireless Networks” IJAER vol. 12 No 8 June 2017 with PP 1779-1783 (Scopus).

27. Mrs. Vandana Khare, Y. MadhaveeLatha and D. SreenivasaRao “Dynamic Resource Allocation for Power Constraint in WCDMA wireless networks” I-manager’s Journal on Wireless Communication Networks vol. 5 No. 4 Jan-March 2017 with PP 15-19.

28. SyedaKausar Fatima, Dr. Syed Abdul Sattar, Dr. D. SrinivasaRao, “Trusted and Secured Clustered Protocol in MANET”, International Journal of Computer Applications (0975-8887) Volume 153-N04, November (2016) pp. 14-20 ©IJCA

29. M. Bheemalingaiah, M. M. Naidu, D. Sreenivasa Rao and P.Vishvapathi,” Performance Analysis of QOS Aware Fault Tolerant Multipath Routing Protocol in Mobile Ad Hoc Networks”, International Journal of Advanced Research in Computer Science and Software Engineering, Volume 6, Issue 10, pp: 514-174, October 2016. ISSN: 2277- 128X, UGC approved and ISO 9001: 2008 Certified,

30. M. Bheemalingaiah, M. M. Naidu, D. Sreenivasa Rao and P.Vishvapathi,”Energy Aware On-Demand Multipath Routing Protocol in Mobile Ad Hoc Networks”, International Journal of Computer Networks and Wireless Communications (IJCNWC), Vol .6, No 5, pp: 14-31, Sep-October 2016.ISSN: 2250-3501, UGC approved, ISSN: 2347 – 8616,

31. . M. Bheemalingaiah, C. Venkataiah, K. Vinay Kumar, M. M. Naidu and D. Sreenivasa Rao,” Survey of Energy Aware On-demand Multipath Routing Protocols in Mobile Ad Hoc Networks, International Journal of Advanced Research in Computer Science and Software Engineering, Volume 6, Issue 4,pp: 212-222, April 2016.ISSN: 2277- 128X, UGC approved and ISO 9001: 2008 Certified

32. M.Vijayalakshmi, Dr.D.Sreenivasa Rao, “ Efficient Multicast Routing Protocol for Manets”,IJCNWC, ISSN: 2250-3501,Vol.6, No 6, Nov-Dec 2016.

33. Mrs. Vandana Khare, Y. MadhaveeLatha and D. SreenivasaRao “An Efficient Resource Allocation with Adaptive Rate Scheduling For WCDMA networks” IOSR Journal of Computer Engineering vol 18 No 2 March-April 2016 with PP 77- 81.

34. Syeda Kausar Fatima, Dr. Syed Abdul Sattar, Dr. D. SrinivasaRao, “Secure Cluster Based Architecture for MANET with Threshold Signature and Certificate Revocation”, International Journal of Applied Engineering Research, ISSN 0973-4562 Volume 10, Number 9 (2015) pp. 22747-22764 © Research India Publications

35. M.Vijayalakshmi, Dr. D.Sreenivasa Rao, “Performance Evaluation Of On Demand Routing Protocols Based On QoS Metrics In Mobile Ad-hoc Networks”, IJIEEE, India, Volume-3, Issue-9, Sept.-2015,P: ISSN: 2347-6982.

36. Mrs. Vandana Khare, Y. MadhaveeLatha and D. SreenivasaRao “Throughput Enhancement for Better QoS in WCDMA networks” The International Journal of Computer Applications Vol 110 ,Issue 16, January 2015, pp. 14-16, ISSN: 0975-8887.

37. M.Vijayalakshmi, Dr.D.Sreenivasa Rao, A Comparative analysis on Multicast routing protocols in Mobile Ad-hoc networks: MAODV, ODMRP, PUMA &AM Route”, GJRA, Vol-4, Issue-8, Aug-2015 , ISSN No: 2277 – 8160,P:347-349.

38. M.Vijayalakshmi, Dr. D.Sreenivasa Rao, “Quality of Service Optimization of Multicast Routing Protocols in Mobile Ad-Hoc Networks: AM Route, PUMA and ODMRP”, IJCA(0975 – 8887), Volume 130 – No.1, Nov-2015,P:10-14

39. Mohammed Moyed Ahmed, Dr. D. Sreenivasa Rao “Energy Modelling and Optimization of Application-Specific Wireless Sensor Networks”, International Journal of Computer Applications (IJAIR), Vol.4 Issue 6, June 2015.
40. Mohammed Moyed Ahmed, Dr. D. Sreenivasa Rao “Multi-point Real-time Threshold based Monitoring System of Soil Parameters using Wireless Sensor Networks: A Real-world deployment”. (IJE, Vol. No 4, Issue12, 2015)
41. Syeda Kausar Fatima, Dr. Syed Abdul Sattar, Dr. D. SrinivasaRao, “Secure Cluster Based Approach For MANETS ”, International Journal of Electronics And Communication Engineering & Technology (IJCET) ISSN 0976-6464(Print), ISSN 0976-6472(Online), Volume 5, Issue 6, June (2014), pp. 75-79 ©IAEME
42. P.Ramadevi and D.Srinivasa Rao,” Hybrid QoS-aware Multi-path Routing protocol Using Intelligent Caching in Mobile Ad Hoc Networks” ACEEE International Journal on Network Security [IJNS] ,Vol.6, Issue 2, April 2014, pp. 55-66.
43. Mohammed Moyed Ahmed, Dr. D. Sreenivasa Rao “Performance Evaluation of Band-Based Directional Broadcast (BBDB) Algorithm in Wireless Sensor Networks”. (IJE, Vol. No 3, Issue12, 2014)
44. Mrs. Vandana Khare, Y. MadhaveeLatha and D. SreenivasaRao “QoS Based Resource Allocation for WCDMA network” The International Journal of Computer Science & Applications Vol 3, Issue 1, September 2014, pp. 19-26, ISSN: 2278-1080.
45. Mrs. Vandana Khare, Y.MadhaveeLatha and D .SreenivasaRao“Quality of Service Improvement for W-CDMA Scheme” International Journal of Advanced Computing Vol 47 ,Issue 2 ,September 2014 with Impact factor 2.25 ,pp. 1504-1510 , ISSN: 2051-0845.
46. Mrs. Vandana Khare, Y.MadhaveeLatha and D .SreenivasaRao “Congestion avoidance using DSRM for WCDMA network”International Journal of Emerging Trends in Technology (IJETT) Vol 9, Issue 12 , March 2014 with Impact factor 2.52, pp. 42-47, ISSN: 2231-5381.

47. S Pothalaiah and D Sreenivas rao “Multi Level Hierarchy Stable Election Protocol for Wireless Sensor Networks” International Journal of Engineering Associates (IJEa), Vol. No. 3 & Issue No.11 Nov 2014.
48. S Pothalaiah and D Sreenivas rao “Performance Evaluation of Energy Efficient Routing Protocol for Wireless Sensor Network” International Journal of Advanced and Innovative Research (IJAIR) Vol. 3, Issue No. 11, Nov 2014.
49. S Pothalaiah and D Sreenivas rao “Performance evaluation of DSR, FSR and LAR routing protocol in MANETs” International Journal of Advanced and Innovative Research (IJAIR), Vol. 2, Issue No. 6, June 2013.
50. Bheemalingaiah, G. S. G. N Anjanelu , M. M. Naidu and D. Sreenivasa Rao, “Novel Approach for Secure Communication of Digital Signature using on-Demand Multipath Routing for Enhancing Network Security in Wireless Mobile Ad Hoc Networks”, International Journal of Emerging Technology and Advanced Engineering, , Volume 3, Issue 9, pp: 323-339, September 2013.ISSN: 2250-2459, ISO 9001:2008 Certified and UGC approved
51. Mrs. Vandana Khare, Y.MadhavLatha and D .SreenivasaRao “Active Queuing Mechanism for WCDMA networks”,International Journal of computer science & Information security (IJCSIS) Vol 11, Issue 10 ,Oct 2013 with Impact factor 5.21 pp. 42-47, ISSN: 1947-5500.
52. Mrs. Vandana Khare, Y. MadhavLatha and D. SreenivasaRao“Performance evaluation of Routing Protocol for WCDMA network”, International journal of advance Research in computer science , Vol 4 ,Issue 10 , Sep 2013 pp. 219-222, ISSN:0976-5697.
53. Mrs. Vandana Khare, Y.MadhavLatha and D.SreenivasaRao “Comparative Analysis of Queuing Mechanism for WCDMA networks”,International Journal of Emerging Trends & Technology in Computer Science (IJETTCS) Vol 2, Issue 1, March-April 2013 with Impact factor 2.42, pp. 240-242, ISSN: 2278-6856.
54. Mrs. Vandana Khare, Y.MadhavLatha and D.SreenivasaRao“A Survey on WCDMA Scheme For better QoS in wireless networks”, International journal of computer Science& Management Research” ,Vol 02, Issue 3 ,March 2013 ,pp. 1840-1844, ISSN: 2278-733X.

55. Mrs. Vandana Khare, Y.MadhavLatha and D.SreenivasaRao “Congestion Control Mechanism for WCDMA based wireless networks”, International Research Journal of computer Science Engineering and Applications Vol 2, Issue 1 ,Jan 2013, pp. 247-254, ISSN:2319-8672.
56. Mrs. Vandana Khare, Y.MadhavLatha and D.SreenivasaRao “Reliable Congestion Control Mechanism” For Wireless Communication on Signal processing & communication (SPCOM2013) 3rd& 4th Jan 2013.MRECW, Hyderabad (A.P).
57. P.Ramadevi and D.Srinivasa Rao ,“QoS Aware Multipath Routing Protocol for Mobile ad hoc Networks”, International Journal of Electronic And Electric Engineering (IJEET) ,ISSN 0974-2174 Vol.5,No.7,2012[special issue] pp.591-596.
58. P.Ramadevi and D.Srinivasa Rao, “Hybrid QoS Aware Multipath Routing Protocol for Mobile ad hoc Networks” International Journal of systems ,Algorithms & Applications (IJSAA), ISSN Online :2272-2677 [special issue] Vol.2 ,Issue ICRASE 12, Nov.2012 ,pp. 94-99.
59. P.Ramadevi and D.Srinivasa Rao, “QoS Enhanced Hybrid Multipath Routing Protocol for Mobile ad hoc Networks”, International Journal of Distributed and Parallel Systems (IJDPS) ,ISSN:0976-9757(online),2239-3957(print),Vol.3,No.6 ,Nov.2012,pp. 89-105.
60. P.Ramadevi and D.Srinivasa Rao, “Congestion Adaptive Hybrid Multi-path Routing Protocol for Load Balancing in Mobile Ad hoc Networks”, International Journal of Computer Science and Telecommunications (IJCT),Vol.3,Issue 12 Dec .2012,pp. 11-19.
61. Mrs. Vandana Khare, Y.MadhavLatha and D.SreenivasaRao “Design & Implementation of a Multicast real-time Multimedia Protocol over H.245”, International journal on computing, communications & systems” Vol 1 ,Issue 1, March –Sep 2012, pp. 13-19.
62. Humaira Nishat, Dr. D. Sreenivasa Rao, “Energy Efficient Dynamic Route Discovery Protocol for Mobile Ad Hoc Networks”, International Journal of Computer Applications (IJCA), Vol 56, No.7, Oct 2012, pp.44-47.

63. Humaira Nishat, Dr. D. Sreenivasa Rao, "A New Dynamic Route Discovery Mechanism for Mobile Ad Hoc Networks", International Journal of Computer Applications and Information Technology (IJCAIT), Vol.1, Issue III, Nov 2012, pp.17-20.
64. A.Veerabhadra Reddy and Dr. D. Sreenivasa Rao, "Hybrid FEC/MDC Based Loss Recovery in Multimedia IP Networks", International Journal of Computer Theory and Engineering (IJCTE), Vol.4;No.2, April 2012, pp 244-250.
65. A.Veerabhadra Reddy and Dr. D. Sreenivasa Rao, "A QoS centric layered transmission topology for multimedia data in wireless cellular networks" International Journal of Scientific & Engineering Research (IJSER), Volume 3, Issue :10, Oct'2012.
66. A.Veerabhadra Reddy and Dr. D. Sreenivasa Rao, "Multilevel Downlink relay Queue aware and loss recovery scheduling for media transmission in Wireless Cellular Networks", Global Journal of Computer Science and Technology: E,(GJCST) Network, Web Security, Vol. 12; Issue.13, Version 1.0 , pp-1-7.
67. Dr. D. Sreenivasa Rao, O Sindhura Reddy "Quality of service improvement in Femto based Cellular Networks" S.P.V. Subba Rao, Dr. S. Venkata Chalam, Dr. D. Sreenivasa Rao "Design of dynamic MAC protocol for wireless multimedia networks" International journal of wireless and mobile networks, Vol. 4, N0. 1, Feb 2012
68. Dr. D. Sreenivasa Rao, Jooby ann Thomas, Sake Pothalaiah "QoS through Power Control in MANETs using AODV Protocol, International Journal of Computer Applications" Volume 31 No. 9, Oct 2011
69. S.P.V. Subba Rao, Dr. S. Venkata Chalam, Dr. D. Sreenivasa Rao "Performance analysis of call admission control algorithm for wireless multimedia networks" Global journal of computer science and technology, May 2011 Vol 11, Issue 8 version 1.0
70. Ch. Sreenivasa Rao, Dr. K. Chennakeshava Reddy, Dr. D. Sreenivasa Rao "A dynamic approach to improve quality of services(QoS) in advanced wireless networks" International journal of advances in soft computing technology, vol 1, issue 2July-Dec 2011

71. S.P.V. Subba Rao, Dr. S. Venkata Chalam, Dr. D. Sreenivasa Rao “QOS provisioning through Adaptive power control in Wireless Multimedia Networks using Dynamic MAC protocol” Res Computeria Scientia publication ,Volume 2 no 6 Nov-Dec 2011
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73. Vandana khare Dr. D. SrinivasRao Dr. Y. Madhavee Latha “A QoS Based MAC Protocol For Wireless Ad-hoc Network” International Journal of Network Security & Its Applications (IJNSA), Vol.3, No.2, March 2011
74. Vandana khare, Y.Madhavi Latha, Dr. D. Sreenivasa Rao “Congestion free Mechanism for multimedia services in Distributed wireless network” International Journal of Advanced Computing (IJAC), Vol.3, No.1, January 2011.
75. Vandana Khare, Y Madhavi Latha Dr D Srinivas rao “Performance Analysis of QoS Based Multimedia Real-time Protocol” IFRSA’s International Journal Of Computing, Vol1, issue 2, April 2011
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2. G.Narsimhulu, Dr.D.Srinivasa Rao, “Architecture and Survey on Protocol Stack of Wireless Sensor Networks” ,International Conference on Electrical, Electronics and Communication Engineering (ICEECE- 2018), 27 &28, April ,2018
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- 8.Implementation of multi wavelet transform coding for image compression M. Eswar Reddy, P. Ramana Reddy, D. Sreenivasa Rao at National Conference on signal processing and communications at Jawaharlal Nehru National College of Engg., Shimoga on 7-8 July 2006.
- 9.Real time face recognition using eigenface approach B. Venkata Ramana, P. Ramana Reddy, D. Sreenivasa Rao at National Conference on Radat Technology and Signal Processing techniques at SVU Thirupathi on 24th & 25th July 2006.

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11. Optimization of Route Discovery for Reactive Routing in wireless Adhoc Networks. M. Ravi Kumar, Chalam, D. Srinivasa Rao at National Conference NCWMC-2006 at Vardhaman College of Engineering, Shamshabad on 11th February 2006.
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14. Simulation of shortest path and minimum Hop Routing Algorithms.D.Srinivasa Rao, Dr. K.C. Reddy, Session-1, Networking, (I – 8) page 55, **National Conference On Advanced Computing (NCAC-2001)**, February 2-3, 2001,Dept.of Computer Science and Engineering, School of Electrical Sciences, PSG College of Technology, Coimbatore
15. Simulation of Distributed Adaptive Routing Algorithms D.Srinivasa Rao, Dr. K.C. Reddy, Session-IV, Image Processing And Distributed Computing Systems, (IV– 3) page 261, **National Conference on Advanced Computing (NCAC-2001)**,February 2-3, 2001, Dept.of Computer Science and Engineering, School of Electrical Sciences, PSG College of Technology, Coimbatore
16. Simulation of Congestion Control and Avoidance Algorithms For TCP/IP Networks D.Srinivasa Rao, Dr. K.C. Reddy, Session A-3 – Communication Networks I, page 160, Eighth National Conference on Communications, January 25-27, 2002, Department of Electrical Engineering, Indian Institute of Technology, Bombay.
17. Simulation Based Study of Adaptive RED Algorithm D.Srinivasa Rao, Dr. K.C. Reddy, Session-Information Systems 25th National Systems Conference,13-15, December 2001,PSG College of Technology, Coimbatore.
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19. Simulation of congestion control Algorithms In ATM Networks D.Srinivasa Rao, Dr. K.C. Reddy, All India Seminar on Recent Trends In Computer Communication Networks, November 7-8, Dept of Electronics & Computer Engineering, University of Roorkee.

1. No. of Short term / Refresher Courses/seminars attended : 10
2. Workshops/conferences organized : 06
3. Workshops attended: 09
4. No. of Ph.Ds Guided: : 13
5. Number of Ph.Ds Guiding : 08
6. Number of PG projects guided : 62
7. Number of UG projects guided : 52

Other Academic Activities

- Life member of ISTE
- Associate member for IETE
- Board of studies Member for various universities, autonomous, constituent and Affiliated colleges of JNTUH and other universities
- Governing Body Member for various affiliated / autonomous colleges of JNTUH and other universities
- Resource person in various FDPs , workshops organized by Universities, autonomous, constituent and Affiliated colleges of JNTUH and other universities
- Chaired a session at various conferences organized by universities, autonomous, constituent and affiliated colleges of JNTUH and other universities