



Dr. P. Chenna Reddy

B.Tech, M.S., M. Tech., Ph. D

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Bio-data

Name : **Dr. Pakanati Chenna Reddy**

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Nationality : Indian

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Date of Birth & Place of Birth : 16th March, 1973
Kurnool
Andhra Pradesh, India

Educational Qualifications:

S. No.	Qualification	University/Institution	Specialization	Year of award
1.	Ph. D	JNT University, Hyderabad	CSE	2009
2.	M.Tech	JNT University, Hyderabad	CSE	2005
3	M.S.	BITS, Pilani	Software Systems	2000
4.	B.Tech	S.V. University, Tirupati	CSE	1996

Details of Doctoral thesis:

Area : Computer Networks
Title : “Quality of Service Mechanisms In Wired and Wireless Networks”
Supervisor : Prof. P. Chandrasekhar Reddy
Year of award of Ph.D. : 2009

Professional Experience :

S.No.	Institution/Organization	Position held	Duration
1	Jawaharlal Nehru Technological University Anantapur	Professor, Dept. of CSE	18-02-2016- Till Date
2	JNTUA College of Engineering, Pulivendula	Professor, Dept. of CSE	From 07-11-2012 To 17-02-2016
3	JNTUA College of Engineering, Pulivendula	Associate Professor, Dept. of CSE	From 07-11-2006 To 06-11-2012
4	JNTUA College of Engineering, Ananthapuramu	Assistant Professor, Dept. of CSE	From 12-10-2000 To 06-11-2006
5	G. Pulla Reddy Engineering College, Kurnool	Assistant Professor, Dept. of CSE	From 27-08-1996 To 11-10-2000

Administrative Experience :

S.No.	Administrative Post held	Duration
1.	Director, Skill Development Center & Incubation Center, JNTUA	April 2018 – Till Date
2.	Director, Academic Audit, JNTUA	1 Year 5 months
3.	Director, Industrial Relations & Placements and School of Continuing & Distance Education, JNTUA	1 Year
4.	Head of the Department, CSE, JNTUA College of Engineering, Pulivendula	5 Years

Achievements :

- ❖ A 1-day workshop on Entrepreneurship held on March 29th, 2016 at JNT University, Anantapur.
- ❖ TECHNICAL EXPO for STARTUPS-2k17 held between 16-18th February 2017at JNT University, Anantapur.
- ❖ Engineering TECH FEST Awareness Program to all affiliated colleges Principals held on 31stOctober 2017at JNT University, Anantapur.
- ❖ University Level Engineering TECH FEST - 2k18 held on 27-01-2018at JNT University, Anantapur.
- ❖ Stall Exhibition on Behalf of JNTUA at KIA Motors during CM Program held on 22-02-2018.
- ❖ A 3-day workshop on Entrepreneurship, Innovation, and Startups held between 29-31st August 2018at JNT University, Anantapur.
- ❖ A 1-day Andhra Pradesh Yatra Bootcamp held on 31-08-2018 at JNT University, Anantapur.
- ❖ The Skill Development Centre (Siemens Centre of Excellence) has trained 4782 students that includes both Engineering and Polytechnic students
- ❖ KIA motors is giving training to their employees in the Body painting lab of Siemens Centre of Excellence.
- ❖ Dassult Systems – 3D experience lab is established and training has started.
- ❖ Institution Innovation Council under the aegis of MHRD Innovation Council is established

Other Achievements :

Conducting training programmers in the field of skill development and incubation for Technology transfer.

Teaching Experience: 22+ years teaching UG & PG Courses

Subjects Taught:

Undergraduate courses	Post graduate courses
<ul style="list-style-type: none">❖ Computer Networks❖ Computer Programming❖ Data Structures❖ UNIX programming❖ Computer Graphics❖ Operating Systems❖ Database Management Systems❖ Distributed Databases❖ Real-time Systems❖ Mobile Computing❖ Object oriented programming❖ Web Technologies	<ul style="list-style-type: none">❖ Network Programming❖ Advanced Network Technologies❖ Advanced Computer Networks❖ Software Testing Methodologies

- ❖ In addition, the laboratories of UG and PG programmes in the areas of Computer Science and Engineering have been dealt with.

Invited Lectures:

- ❖ Served as a Resource person for APSCHE sponsored Short term Faculty training programmer on C and Data Structures, held at SreeVidyanikethan Engineering College, Tirupati during September 3-8, 2012
- ❖ Served as a Resource person for A three-week Refresher course on Advanced communications, held at UGC Academic Staff College, JNTU, Hyderabad on 13th Nov. 2006
- ❖ Presented a Guest Lecture on Fundamentals of Computer Networks on 16th Aug. 2008 at Narasaraopet Engineering College, Narasaraopet, A.P.
- ❖ Presented a Guest Lecture on Computer Networks on 11th Jan. 2010 at Tirumala Engineering College, Narasaraopet, A.P.
- ❖ Presented a Guest Lecture on Advanced UNIX Programming on 25th Dec. 2011 at Sri. Sai Institute of Technology and Science, Raychotty, A.P.
- ❖ Presented a Guest Lecture on NS-2 Simulator on 26th Dec. 2010 at Sri. Sai Institute of Technology and Science, Raychotty, A.P.
- ❖ Presented a Guest Lecture on Advanced Computer Networks on 20th Dec. 2009 at Sri. Sai Institute of Technology and Science, Raychotty, A.P.
- ❖ Presented an Invited Lecture on Future Trends in Wireless Networks on 23rd Sept. 2011 at Sri. Kandual Obul Reddy Memorial College of Engineering, Kadapa, A.P.

- ❖ Served as a Resource person at National Conference on Recent Innovations in Computer Networks held at JNTUA College of Engineering, Ananthapuramu during 21st and 22nd, 2015.

Research Projects completed as Co-ordinator:

- ❖ AICTE has sanctioned an amount of Rs. 4,25,000/- under the major project ‘Using Bio-Inspired Approach for Routing in Adhoc Networks’ in the year 2013.

Research Experience and Guidance provided:

Total research experience : 15 years

- ❖ Guided 80+ Undergraduate projects and 50+ Postgraduate theses
- ❖ 13 students are awarded Ph.D.
- ❖ Presently, supervising Research scholars for their Ph. D., M.Tech., MCA, and B.Tech.
- ❖ Guiding students in the establishment of startups.

Number of Research publications:

International Journals	:	91
National Journals	:	07
International Conferences	:	38
National Conferences	:	15

Performance Indices of Publications : (as on 01st January, 2019)

Total Citations	:	406
h -Index .	:	9
i-10 Index	:	7

Text Books / Monographs Authored:

1. Dr. P. Chenna Reddy, “Computer Fundamentals and C Programming”, BSP Publications.

Research guidance Provided

Name of the Research Scholar	Title of the Thesis	Year of award
Details of Ph. Ds' Awarded		
V. Lokeswara Reddy	Novel Techniques of Data hiding in Image, Audio and Video: A Steganographic Approach	2015
Pathan Mohd. Shafi	Risk and Mitigation of Authentication Protocol Kerberos: A Public Key Approach	2015
T. Sunil Kumar Reddy	Adaptive Task Scheduling Algorithm in Grid Computing	2015
N. Ramakrishnaiah	A New Address Autoconfiguration Protocol for Mobile Adhoc Networks	2016
B. Jagadeesh	A Novel Approach to Robust Digital Image Watermarking Algorithms Using Artificial Intelligence Techniques	2016
R. Lalu Naik	Secure Quantum Key Distribution Protocols	2017
R. Raja Sehar	Efficient Multipath Routing Protocols for On-demand Video Streaming in MANETs	2017
A.L. Sreenivasulu	Secure Data Aggregation in Wireless Sensor Networks	2018
M V Rathnamma	Energy Efficient Trust Based Routing Schemes for Mobile Adhoc Networks	2018
C. Sreedhar	Improving Clustering of DataSets using KM-I2C and Enhancing the Performance of Hadoop based on MQM	2018
N. Ramanjaneya Reddy	Performance Enhancement of TCP Friendly Rate Control Protocol Over Wired Networks	2018
S Madhu	Cross Layer Design with Security Enhancement For Multimedia Transmission In Wireless Networks	2018
G.N.Vivekananda	Effective Transmission of Multimedia in MANETS Using SCTP Multi-Streaming	2018

Details of Ph. Ds' under the supervision (Presently)

S. No.	Names of Research scholars	Area of the Research
1	Suman Prakash	Computer Networks
2	Lakshmi Prasanna	Computer Networks
3	Srinivas Reddy	Computer Networks
4	RamaKrishna	Computer Networks
5	Muni Babu	Computer Networks

List of publications:

International and National Journals:

1. **P. Chenna Reddy**, and Dr. P. Chandra Sekhar Reddy, "Performance Comparison of TCP Congestion Control Algorithms", The Journal of The Institution of Engineers (India) – CP', Vol. 87, Nov. 2006, , ISSN: 0971-0469, pg 43-48, H index: 4, Scopus indexed, SJR = 0.13.
2. **P. Chenna Reddy**, and Dr. P. ChandraSekhar Reddy, "Performance analysis of adhoc network routing protocols", Academic Open Internet Journal, Vol. 17, Available: <http://www.acadjournal.com/2006/ V17/part6/p3>, April, 2006, ISSN: 1311-4360, Citations: 60.
3. **P. Chenna Reddy**, and Dr. P. ChandraSekhar Reddy, "Active Queue Management in a QOS Enabled Network", Journal of Computer Science, Vol. 1, No. 3, Nov-Dec 2005, ISSN: 0973-2926.
4. **P. Chenna Reddy**, and Dr. P. ChandraSekhar Reddy, "Dynamic Vegas", i-managers Journal Software Engineering, Vol. 3, No.2, Oct-Dec 2008, ISSN: 0973-5151.
5. **P. Chenna Reddy**, and Dr. P. ChandraSekhar Reddy, "Interoperability of TCP Vegas with TCP Reno", International Journal of Engineering Research and Industrial Applications, Vol. I, No. VII, 2008, ISSN: 0974-1518, Impact Factor: 1.69 (By Google Scholar Citation Report), IC Value: 5.09.
6. **P. Chenna Reddy**, and Dr. P. ChandraSekhar Reddy, "Dynamic RED", Journal of Engineering Today, Jan 2009, ISSN: 2180-0995.
7. **P. Chenna Reddy**, "TCP over IEEE 802.11", Journal of Annals of Computer Science, Vol. VII, Nov. 2009, ISSN: 2065-7471, IC Value: 4.89.
8. **P. Chenna Reddy**, "Modification of RTS retransmission mechanism", International Journal of Multidisciplinary Research and Advances in Engineering, Vol 2. No. III/IV, 2010, ISSN: 0975-7074, Impact Factor: 0.2015.
9. **P. Chenna Reddy**, V. Venkata Ramana, A. Rammohan Reddy, "A Survey of QOS with IEEE 802.11e", International Journal on Computer Science and Engineering, pg 807-813, Vol. 3 No. 2 Feb 2011, ISSN: 0975-3397.
10. **P. Chenna Reddy**, "Service differentiation of IEEE 802.11e", Journal of advances in Computer research, Pg 39-48, Vol. 01, No. 3, March 2011, ISSN: 2008-6148.

11. V. Lokeswara Reddy, Dr. A. Subramanyam, **Dr. P. Chenna Reddy**, “Implementation of LSB Steganography and its Evaluation for Various File Formats”, International Journal of Advanced Networking and Applications, pg 868-872, Vol. 02 Issue: 05, Mar-Apr 2011, ISSN: 0975-0290, Citations: 19.
12. V. Lokeswara Reddy, Dr. A. Subramanyam, **Dr. P. Chenna Reddy**, “SteganPEG Steganography+JPEG”, International Journal of Computer Graphics, pg 31-42, Vol. 2, No.1, May 2011, ISSN: 2093-9663, Citations: 3.
13. T. Srikanth, N. Rajesh, **Dr. P. Chenna Reddy**, “An Improved Snoop for TCP Reno and TCP SACK in Wired-cum-Wireless Networks”, Indian Journal of Computer Science and Engineering, pg 455-460, Vol.2 No. 3, June-July, 2011, ISSN: 0976-5166, Citations: 2.
14. **Dr. P. Chenna Reddy**, “Improving Performance of Voice Over IEEE 802.11e”, i-managers Journal on Software Engineering, Vol. 5, No. 1, July-September, 2010, ISSN: 0973-51510.
15. **Dr. P. Chenna Reddy**, V. Lokeswara Reddy, Dr. A. Subramanyam, “A Least Significant Bit Embedding Technique of Digital Image Steganography”, Atti Della Fondazione Giorgio Ronchi, No. 4, June-2011, ISSN: 0391-2051.
16. **Dr. P. Chenna Reddy**, J. Srinivas, “Enhancement Study of Power-Aware Routing Protocols in Ad hoc Networks”, International Journal of Advanced Research in Technology, Vol. 1 Issue 1, Pg: 71-75, 2011, ISSN: 6602-3127.
17. R. Lalu Naik, **Dr. P. Chenna Reddy**, U. Sathish Kumar, “Provably Secure Quantum Key Distribution Protocols in 802.11 Wireless Networks”, International Journal of Computer Science and Information Technologies, Vol. 2 (6) , Pg: 2811-2815, 2011, ISSN: 0975-9646, Impact Factor: 2.93.
18. R.Lalu Naik, **Dr.P.Chenna Reddy**, U.Sathish Kumar, Dr.Y.V.Narayana, “Quantum Cryptography with key Distribution in Wireless Networks on Privacy Amplification”, International Journal of Computer Networks and Wireless Communications (IJCNWC), Vol. 1, No. 1, December 2011, ISSN: 2250-3501, Impact Factor: 0.421.
19. B. Jagadessh, P. Rajesh kumar, **P. Chenna Reddy**, “Genetic algorithm approach for singular value decomposition and quantization based digital water marking“, International journal of Engineering research and applications, Vol. 2, Issue 2, pp.1229-1235, Mar-Apr 2012, ISSN: 2248-9622, IC value: 5.09, Impact Factor: 1.69.
20. T. Surya prakash Reddy, **P. Chenna Reddy**, “OCC: Ordered congestion control with cross layer support in MANET routing”, International Journal of Advanced Computer Science and Applications, Vol. 3, No. 3, 2012, DOI: 10.14569/IJACSA.2012.030316, ISSN: 2156-5570, Impact Factor: 1.324, Citations: 3.
21. R.Lalu Naik, **Dr.P.Chenna Reddy**, “Secure Authentication of BB84 Quantum Key Distribution Protocols”, International Journal of Computer Engineering and Technology, Vol. 3, Issue 2, pp. 280-287, July-Sept,2012, ISSN: 0976-6375, Impact Factor: 6.1302.
22. B. Reshma Yusuf, **Dr. P. Chenna Reddy**,”Mining data streams using Option trees“, International Journal of Computer Network and Information Security, Aug. 2012, pp. 49-54, ISSN: 2074-9104.
23. B. Reshma Yusuf, **Dr. P. Chenna Reddy**,”Mining data streams using Option trees“, International Journal of Computer Engineering and Intelligent Systems, , Vol. 3, No. 7, pp. 89-99, 2012 ISSN: 2222-2863, Citations: 5.

24. S. Vishnu Vardhan, **Dr. P. Chenna Reddy**, "Congestion Control in Real Time Applications", International Journal of Computer Applications, Vol. 51, No. 3, pp 33-37, Aug. 2012, DOI: 10.5120/8025-1176, ISSN: 0975-8887, Impact factor: 0.821.
25. R. Siva Sankara Reddy, **Dr. P. Chenna Reddy**, "K-Means Algorithm with different Measurements in Clustering Approach", International Journal of Engineering and Advanced Technology, Vol. 1, Issue 6, Aug. 2012, pp: 269-271, ISSN: 2249-8958, Impact Factor: 1.0.
26. M. Jagadeeswara Reddy, **Dr. P. Chenna Reddy**, A. Ganesh, "Energy-Efficient Self Reconfigurable Clustering Approach for Heterogeneous Wireless Sensor Networks", International Journal of Computer Applications, Volume 54– No.7, September, 2012, DOI: 10.5120/8575-2312, ISSN: 0975 – 8887, Impact factor: 0.821.
27. Y. Ravi, V. Venkata Ramana, M.V. Rathnamma, **Dr. P. Chenna Reddy**, "Position based Routing in Mobile Adhoc Networks", International Journal of Computer Applications, Volume 55– No.7, October, 2012, DOI: 10.5120/8750-2638, ISSN: 0975 – 8887, Impact factor: 0.821.
28. T. Nishitha, **Dr. P. Chenna Reddy**, "Bio-Inspired Routing in Adhoc Networks", Journal of Engineering, Computers and Applied Sciences, Volume 1, No.1, October 2012, ISSN: 2319-5606, Citations: 1.
29. M. Jagadeeswara Reddy, **Dr. P. Chenna Reddy**, "Energy Conservation Hierarchical Cluster based Routing Protocols for Heterogeneous Wireless Sensor Networks", International Journal of Engineering Research, Vol.2, Issue 5, Sept-Oct 2012, pp: 939-942, ISSN: 2248-9622.
30. Pathan Mohd. Shafi, Dr. Abdul Satar, **Dr. P. Chenna Reddy**, "Improved Kerberos Authentication Security Protocol for Mobile Devices", Technical Journal of The Institution of Engineers (India), Vol. 36, Nov. 2012, ISBN: 978-81-924990-0-0.
31. T. Surya prakash Reddy, **P. Chenna Reddy**, "EOCC: Energy Ordered Congestion control using cross layer support in Mobile Adhoc Network Routing", International Journal of Scientific and Engineering Research, Vol. 3, Issue. 10, Oct. 2012, ISSN: 2229-5518, Impact Factor: 0.4510, Citations: 1.
32. Geeta Reddy J, Rajeshwari S.B., Dr. N.Uday Bhaskar, **Dr. P. Chenna Reddy**, "An Efficient Profit-based Job Scheduling Strategy for Service Providers in Cloud Computing Systems", International Journal of Application or Innovation in Engineering and Management, Vol.2, Issue 1, Jan. 2013, ISSN: 2319-4847, Impact Factor: 2.379 (ISRA:JIF).
33. M.Durga Prasad, **Dr P.Chenna Reddy**, Banoth Samya, "Extended Nymble: Method for tracking Misbehaving Users Anonymously while Blocking ", International Journal of Computer Science & Information Technology, Vol. 5, No. 1, February 2013, ISSN: 0975-3826.
34. Y. Kishore, V. Venkata Ramana, **Dr. P. Chenna Reddy**, "Secure routing in adhoc networks using ARAN", International Journal of Management, IT and Engineering, Vol. 2, Issue. 12, Dec. 2012 , ISSN: 2249-0558.
35. Pathan Mohd. Shafi, Dr. Abdul Satar, **Dr. P. Chenna Reddy**, "Risk Assessment of Authentication protocol", International Journal of Computer Science and Information security, Vol. 9, No. 6, June, 2011", ISSN: 1947-5500.
36. T. Surya prakash Reddy, **P. Chenna Reddy**, "EOCTC: Energy Efficient Ordered Congestion Tolerant and Control Routing for Mobile Adhoc Networks", International Journal of Computer Science Issues, Vol. 10, Issue. 2, No. 1, July, 2013, Impact Factor: 0.242, ISSN: 1694-0784, Impact Factor: 0.242, Citations: 1.

37. V. Lokeswara Reddy, **Dr. P. Chenna Reddy**, Dr. A. Subramanyam, “A Novel Approach for Hiding Data in Image, Audio and Video using Steganography”, International Journal of Computer Applications, Volume 69– No.15, May, 2013, DOI: 10.5120/11922-8131, ISSN: 0975 – 8887, Impact Factor: 0.821.
38. B. Jagadeesh, P. Rajesh kumar, **P. Chenna Reddy**, “Robust Digital Image Water Marking Scheme in Discrete Wavelet Transform Domain using Support Vector Machines”, International Journal of Computer Applications, Volume 73– No.14, July, 2013, DOI: 10.5120/12806-9865, ISSN: 0975 – 8887, Impact Factor: 0.821.
39. A.L. Sreenivasulu, **P. Chenna Reddy**, “Comparative Assay of the Overhead of Efficient Version of CPDA Protocol to Original CPDA Protocol”, International Journal of Engineering and Innovative Technology, Vol. 3, Issue. 3, Sept. 2013. ISSN: 2277-3754.
40. P. Jammulaiah, **P. Chenna Reddy**, “Simulation and Comparison of AOMDV, AODV and DSR in MANETS”, International Journal of Networks and Systems, Vol. 2, No. 6, Oct-Nov, 2013, ISSN: 2319 – 5975, Global Impact Factor: 0.378.
41. A. Swetha, **P. Chenna Reddy**, “Authentication of an Image over Wireless Channels based on Secure Digital Signature Scheme”, International Journal of Science and Research, Vol. 2, Issue. 12, Dec. 2013, ISSN: 2319-7064, Impact Factor: 0.3317
42. P. Sreenivasa Rao, M. Janani, **P. Chenna Reddy**, “TFRC for Congestion control in Wired Environment”, International Journal of Inventive Engineering and Sciences, Vol. 2, Issue. 1, Dec. 2013, ISSN: 2319-9598.
43. P. Sreenivasa Rao, M. Janani, **P. Chenna Reddy**, “TFRC for Congestion control in Wireless Environment”, International Journal of Science and Modern Engineering, Vol. 2, Issue. 1, Dec. 2013, ISSN: 2319-6386.
44. Soni Shaik, **P. Chenna Reddy**, “An Evaluation Study of AntHocNet”, International Journal of Networks and Systems”, Vol. 2 No. 6, Oct-Nov, 2013, DOI:10.1.1.402.3438 , ISSN: 2319-5975, Global Impact Factor: 0.378.
45. V. Lokeswara Reddy, **Dr. P. Chenna Reddy**, Dr. A. Subramanyam, “A Novel Technique for JPEG Image Steganography and its Performance Evaluation”, International Journal of Advanced Media and Communication, Inderscience Enterprises, Pg: 211-224, Vol. 5, No. 2/3, 2014, DOI: 10.1504/IJAMC.2014.060494, ISSN: 1741-8003, Scopus indexed, SJR: 0.31, Impact factor (cites per doc): 0.2.
46. T.Sunil Kumar Reddy, Dr.P.Venkat Krishna, **Dr P. Chenna Reddy**, “Fuzzy Bee Colony Optimization for Resource Allocation in Grid Computing”, International Journal of Engineering Research and Technology, Vol. 7, No. 1, 2014, pg. 17-27, EBSCO indexed, ISSN 0974-3154.
47. T.Sunil Kumar Reddy, Dr.P.Venkat Krishna, **Dr P. Chenna Reddy**, “Power Aware based Workflow Model Optimization using Fuzzy Bee Colony Method”, ARPN Journal of Engineering and Applied Sciences, Vol. 9, No. 4, April, 2014, pg. 593-598, ISSN 1819-6608, Scopus indexed, SJR: 0.16, Impact factor (cites per doc): 0.29.
48. B. Jagadessh, P. Rajesh kumar, **P. Chenna Reddy**, “Digital Image Water Mark Extraction in Discrete Wavelet Transform Domain using Support Vector Machines”, International Journal of Recent Trends in Engineering & Technology, Vol. 11, June. 2014, Pg: 170-176, ISSN 2158-5563.

49. **P. Chenna Reddy**, “New Routing Metrics for Adhoc Network Routing Protocols”, Journal of Institution of Engineers (India): Series. B (Springer), DOI 10.1007/s40031-014-0116-x, Vol. 95, No. 4, Oct-Dec 2014, Pg: 351-361, EBSCO indexed, ISSN 2250-2106.
50. J. Geetha, N. UdayBhaskar, **P. ChennaReddy**, and Neha Sniha, “Hadoop Scheduler with Deadline Constraint”, International Journal on Cloud Computing: Services and Architecture (IJCCSA), Vol. 4, No. 5, October 2014, DOI: 10.5121/ijccsa.2014.4501, EBSCO indexed, ISSN: 2231-5853.
51. T.Sunil Kumar Reddy, Dr.P.Venkat Krishna, **Dr P. Chenna Reddy**, “Power aware Framework for Scheduling Tasks in Grid-based Workflows”, International Journal of Communication Networks and Distributed Systems, Inderscience Publishers, Vol. 14, No. 1, 2015, pg. 74-88, Scopus indexed, ISSN 1754-3924, DOI: 10.1504/IJCNDS.2015.066016, SJR: 0.17, Impact factor (cites per doc): 0.41.
52. R.Anusha, **Dr. P. Chenna Reddy**, “Comparison of AODV and AntHocNet in Static Wireless Network”, International Journal on Cybernetics & Informatics (IJCI) Vol. 4, No. 2, April 2015, DOI: 10.5121/ijci.2015.4210, ISSN: 2277 - 548X.
53. Y. Lakshmi Prasanna, **Dr. P. Chenna Reddy**, “Analysis of AntHocNet and AODV Performance using NS2”, International Journal on Cybernetics & Informatics (IJCI) Vol. 4, No. 2, April 2015, DOI: 10.5121/ijci.2015.4209, ISSN: 2277 - 548X.
54. B. Aruna Kumari, **Dr. P. Chenna Reddy**, “TCP RENO, SACK and VEGAS Performance Analysis”, International Journal on Cybernetics & Informatics (IJCI) Vol. 4, No. 2, April 2015, DOI: 10.5121/ijci.2015.4211, ISSN: 2277-548X.
55. **Dr. P. Chenna Reddy**, “Analysis of Teaching Computer Programming in Indian Context”, Journal of Engineering Education Transformations, Vol. 28, Issue. 4, April, 2015, Pg: 50-55, DOI: 10.16920/jeet/2015/v28i4/70400, ISSN: 2349-2473.
56. B. Jagadessh, P. Rajesh kumar, **P. Chenna Reddy**, “Robust Digital Image Water Marking based on Fuzzy inference system and Back propagation Neural networks using DCT”, Springer journal of Soft Computing – A Fusion of Foundations, Methodologies and Application, SCI indexed Journal, Available online from 5th June, 2015, ISSN: 1432-7643, DOI: 10.1007/s00500-015-1729-y, impact factor: 1.34.
57. M. Chenna Keshava, **P. Chenna Reddy**, “TCP, UDP, and TFRC in Wired Networks”, International Journal of Applied Engineering Research, Vol. 10, No. 16, 2015, pg: 36872-36880, Scopus indexed journal, ISSN: 0973-4562, Impact factor: 0.12, Scopus Indexed.
58. R. Lalu Naik, **P. Chenna Reddy**, “Towards Secure Quantum Key Distribution Protocol for Wireless LANs: A Hybrid Approach”, Springer Journal of Quantum Information Processing, Vol. 14, Issue.10, Sept. 2015, Pg: 1-8, SCI indexed Journal, ISSN: 1570-0755, Impact factor: 1.923., DOI: 10.1007/s11128-015-1129-3, Scopus indexed.
59. N. Ramakrishnaiah, **P. Chenna Reddy**, “A review of Addressing Protocols in mobile ad-hoc networks”, International Journal of Computer Applications, Vol. 132, No. 9, Dec. 2015, Pg: 31-36, ISSN: 0975-8887, DOI: 10.5120/ijca2015907546.
60. C. Sreedhar, N. Kasiviswanath, **P. Chenna Reddy**, “A Survey of Big Data Management and Job Scheduling”, International Journal of Computer Applications, Vol. 130, No. 3, Nov. 2015, Pg:41-49, ISSN: 0975-8887, DOI: 10.5120/ijca2015907161.
61. B. Jagadeesh, P. Rajesh kumar, **P. Chenna Reddy**, “Robust Digital Image Watermarking Technique in DWT domain based on HVS and BPNN”, International Journal of Image Processing, Vol. 9, Issue. 5, Sept. 2015, Pg: 272-282,ISSN: 1985-2304.

62. C. Ramakristanaiah, **P. Chenna Reddy**, R. Praveen Sam, “Analysis of Starvation Problem in Wireless LANs”, International journal of control theory and applications, Vol. 8, issue. 4, 2016, pg. 1-7, ISSN: 0974-5572, Scopus Indexed, Impact factor: 0.44.
63. R. Raja Sekhar, **P.Chenna Reddy**, “An Efficient Multipath Routing Protocol with Replication for On-demand Video Streaming in MANETs”, International Journal of Computer Science and Networks, Vol. 5, Issue. 3, June 2016, pg: 458466, ISSN: 2277-5420.
64. RajaSekahar Rajaboina, **Dr. P. Chenna Reddy**, and Raja Ashok Kumar, “Performance Comparison of TCP, UDP, and TFRC in Static Wireless Environment”, International Journal of Information and Computer Security, Vol. 8, No. 2, 2016, pg: 158-180, ISSN: 17441765, Inderscience publishers, scopus indexed, Impact factor: 0.29.
65. M.V. Rathnamma, **P. Chenna Reddy**, “Trust Management Scheme for Ad-hoc Networks using a Social Network based Approach for Secure Routing”, International Journal of Computer Engineering and technology, Vol. 4, Issue 3, May-June, 2013, pp. 359-369, ISSN: 0976 – 6375.
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Other Experiences:

Reviewer of Research papers:

- ❖ Served as reviewer for "Journal of the Institution of Engineers (India): Series B".
- ❖ Served as reviewer for "7th IEEE International Advance Computing Conference (IACC - 2017) on 5th – 7th January 2017, VNRVJIET, Hyderabad, Telangana, India."
- ❖ Served as reviewer for "International Journal of Wireless Information Networks Clustering and T-Ant Based Energy Efficient Self Organization in WSN"

Others :

- ❖ Serving as Board of Studies Chairman for Computer Science and Engineering Branch of JNTUA, Anantapur.
- ❖ Served as Deputy Warden for four years at JNTUA College of Engineering, Anantapur
- ❖ Served as Board of Studies Chairman for Information Technology Branch of JNTUA, Anantapur for four years
- ❖ Served as a Member of PG Board of Studies for Computer Science and Engineering department of JNTUA, Anantapur for four years
- ❖ Served as Board of Studies Member for Computer Science and Engineering Department of S.K.University, Anantapur.
- ❖ Served as Board of Studies Member for Computer Science and Engineering Department of G.Pulla Reddy Engineering College (Autonomous), Kurnool.

- ❖ Served as Board of Studies Member for Master of Computer Applications Department of Annamacharya Institute of Technology and Science (Autonomous), Rajampet.
- ❖ Served as Board of Studies Member for Computer Science and Engineering Department of Annamacharya Institute of Technology and Science (Autonomous), Rajampet.
- ❖ Served as Board of Studies Member for Computer Science and Systems Engineering Department of Sri. Vidyanikethan Engineering College, Tirupati.
- ❖ Served as Board of Studies Member for Computer Science and Systems Engineering Department of Sri. Padmavathi Mahila Visvavidyalayam, Tirupati.
- ❖ Serving as Board of Studies Member in MCA and M.Sc. Computer Science of Yogi Vemana University, Kadapa.
- ❖ Served as Governing Body Member of Sri. Sai Institute of Technology and Science, Raychoty.
- ❖ Served as Governing Body Member of Annamacharya Institute of Technology and Science, Tirupati.

- ❖ Served as Governing Body Member of Srinivasa Institute of Pharmaceutical studies, Prodattur
- ❖ Served as Governing Body Member of Madhura Sai Institute of IT and Management, Prodattur
- ❖ Served as University Nominee for Result committee of Sri. Vidyanikethan Engineering College, Tirupati
- ❖ Serving as University Nominee for Result committee of Madanapalli Institute of Technology and Science, Madanapalli.

Details of Student Paper Contests organized:

- ❖ A 2-day National level Student Technical Symposium PIXEL – 2K5, in December, 2005 at JNTUA college of Engineering, Anantapur.
- ❖ A 2-day Intra college Student Technical Symposium Sarvagnya - 2k8, in December, 2008 at JNTUA College of Engineering, Pulivendula.
- ❖ A 3-day National Level Student Technical Symposium Sarvagnya – 2k10 in February, 2010 at JNTUA college of Engineering, Pulivendula.

Details of Workshops organized for the faculty:

- ❖ A 2-day National Workshop for staff, “Recent Trends in Computer Networks” in March, 2006 at JNTUA college of Engineering, Anantapur.
- ❖ A 2-day UGC Sponsored National Workshop for staff, “Research Trends in Computer Networks” on December, 21st and 22nd, 2011 at JNTUA College of Engineering, Pulivendula.

- ❖ A 2-day National Conference for staff, “Communication, Networking and Mobile Computing” on January 20th and 21st 2012 at JNTUA college of Engineering, Pulivendula.

Membership – Professional societies:

- ❖ Professional member of ACM
- ❖ Senior Member of IEEE
- ❖ Fellow of Institution of Engineers, India.
- ❖ Member of Computer Society of India (CSI), India.
- ❖ Member of Indian Society for Technical Education (ISTE), India.

Seminars / Training programmes / Workshops/ Conferences Attended:

1. A 3-week UGC Sponsored Orientation course on Value Education from 17-01-2005 to 12-02-2005 at UGC Academic staff college, JNTUH, Hyderabad.
2. A 3-week UGC Sponsored Refresher course on Network Programming from 29-10-2003 to 18-11-2003 at UGC Academic staff college, JNTUH, Hyderabad.
3. A 3- week UGC Sponsored Refresher course on VLSD Design from 03-06-2002 to 22-06-2002 at UGC Academic staff college, JNTUH, Hyderabad.
4. A 1-week Training Course on IBM Rational Rose Software at JNTUA College of Engineering, Pulivendula
5. A 1-day National Workshop on “Technology trends in Mobile Computing and Communications”, on April. 10th, 2004 at Indian Institute of Information Technology, Bangalore
6. A 1-day National Seminar on “Intellectual Property rights-Academic and Technological Dimensions (An Indian Perspective)”, on January 11th, 2006 at JNTUH, Hyderabad
7. A 2-day “National programme (workshop) on Technology Enhanced Learning (IIT Madras)” on 31-08-2012 and 01-09-2012 at NIT, Warangal
8. A 1-day Phase-I workshop on “Training Resource Persons on Outcome Based Accreditation”, on 29th April, 2013 at JNTUA NBA Nodal Centre, Anantapuramu
9. A 3-day Phase-II workshop on “Training of Evaluators/Resource persons on Outcome Based Accreditation”, from 1st – 3rd July, 2013 at JNTUA NBA Nodal Centre, Anantapuramu
10. A 5-day workshop on “Managing Excellence in Academic Institutions for Heads of Institution/Department for TEQIP institutions”, from Sept. 30th to Oct.4th, 2013, at Administrative staff college of India, Bella Vista, Hyderabad.

- 11.A 2-day National level workshop on “Digital Image Processing and Pattern recognition using MATLAB”, from 24th – 25th Jan. 2014, at JNTUA College of Engineering, Pulivendula.
- 12.A one-week Intensive Training programme on “Incorporation of Pedagogy in Engineering Education”, from 3rd – 7th Feb. 2014, at IISC, Bangalore
- 13.A 3-day Workshop on “Cloud Computing in Academics and Research”, from 4th – 6th April, 2014 at JNTUA College of Engineering, Pulivendula, A.P.
- 14.A one-day IEEE Authorship Workshop on “How to Publish a Technical Paper with IEEE”, on 12th August, 2014 at the Indian Institute of Science, Bangalore.
- 15.A two-day IEEE Workshop on “IEEE Smart Tech – Internet of Things track” during 26th – 27th September, 2014 at Hotel Lalit Ashok, Bangalore organized by IEEE Bangalore Section.
- 16.A one-day workshop on “Learning Platform for Better Outcomes” conducted by ‘Inpods’ on January 5, 2015 as part of the Pre-conference Workshop activity of ICTIEE-2015 jointly organized by BMS College of Engineering and Indo-US Collaboration for Engineering Education (IUCEE).
- 17.A one-day workshop on “Automation of Curriculum Design & Attainment for OBE” conducted by ‘IonIdea Inc.’ on January 5, 2015 as part of the Pre-conference Workshop activity of ICTIEE-2015 jointly organized by BMS College of Engineering and Indo-US Collaboration for Engineering Education (IUCEE).
- 18.A one-day workshop on “Effective Teaching and Learning” on January 6, 2015 as part of the Pre-conference Workshop activity of ICTIEE-2015 jointly organized by BMS College of Engineering and Indo-US Collaboration for Engineering Education (IUCEE).
- 19.A four-day workshop on “Cyber Security & Forensic Investigation” conducted by Engineering staff college of India, Hyderabad during July 27-30, 2015 at ESIC, Gachibowli, Hyderabad.
- 20.A four-week MOOC Course (Honor Code Certificate) on “Introduction to Cloud Computing” Offered by IEEEEx, an online learning initiative of IEEE through edX.
- 21.A one-day workshop on “Awareness on creating Centres of Excellence” conducted by JNTUA, Ananthapuramu on 26th June, 2015 at JNTUA College of Engineering (Autonomous), Ananthapuramu.
- 22.A 2-day workshop on “Teacher Effectiveness: Nurturing your well-being” on Dec 6th and 7th 2015 at IIT, Hyderabad.

Social Service Activities

- ❖ Regular Contributor for Padma Rehabilitation Center for Mentally Retarded and Physically Disabled at Kadapa

- ❖ Contributor for Basata Social Service Society at Kadapa
- ❖ Contributor to Ananthapur Orphan Center

Declaration:

I hereby declare that the information furnished above is true to the best of knowledge

Dr. P. Chenna Reddy

Date: 08-01-2019
Anantapur