











- packet loss ratio measurement,” IEEE Transactions on Parallel and Distributed Systems, vol. 18, no. 1, pp. 29–43, 2007.
- [12] Y. Ariba, F. Gouaisbaut, and Y. Labit, “Feedback control for router management and TCP/IP network stability,” IEEE Transactions on Network and Service Management, vol. 6, no. 4, pp. 255–266, 2009.
- [13] B. Hariri and N. Sadati, “NN-RED: an AQM mechanism based on neural networks,” Electronics Letters, vol. 43, no. 19, pp. 1053–1055, 2007.
- [14] H. C. Cho, M. S. Fadali, and H. Lee, “Neural network control for TCP network congestion,” in Proceedings of American Control Conference (ACC '05), pp. 3480–3485, June 2005.
- [15] H. Javam and M. Analoui, “SARED: stabilized ARED,” in Proceedings of the International Conference on Communication Technology (ICCT '06), pp. 1–4, November 2006.
- [16] Jianyong Chen, Cunying Hu, and Zhen Ji “Self-Tuning Random Early Detection Algorithm to Improve Performance of Network Transmission” Mathematical Problems in Engineering Volume 2011 (2011), Article ID 872347,

experience. He has published more than 500 technical papers in various journals, and National and International conferences. He has written Four Books on Engineering and Five on “Science and Technology in Indian Mythology. He is currently adding glory to the post of Vice Chancellor of Dr. C. V. Raman University, Bilaspur [Chhattisgarh] He is life member of Acoustical Society of India, Biomedical Society of India, Linguistic Society of India, Indian Society for Technical Education and many social bodies.

## Author Profile



**Kiran Chhabra** received her B.E. degree in Computer Science from Nagpur University in 1995 and M.E. in Computer Technology and Applications from Chhattisgarh Swami Vivekanand Technical University, Bhilai in 2009. She is pursuing Ph. D. in Computer Science and Engineering in congestion avoidance area. Currently she is working as Associate Professor in Computer Science Department at MM College of Technology, Raipur.

**Dr. Manali Kshirsagar** received her B.E. degree in Computer Technology from Nagpur University in 1992, M.E. degree in Computer Science and Engineering from Amravati University in 2001. She was awarded Ph. D in 2009 by Allahabad University for her work on Data Mining Strategy to Explore Cotton Genome. Currently she is working as Professor and Head of the Computer Technology department in Yashwantrao Chavan College of Engineering, Nagpur. She has many papers to her credit in various international journals, international conference and national conference Her areas of interest include Data Mining, Biometrics, Computer Networks. She is also member of professional bodies like MIE, ISTE, ACM.



**Dr. A. S. Zadgaonkar** has obtained B. E. degree in Electrical Engineering from Pt. Ravishankar Shukla University, studying at Govt. Engineering College, Raipur in 1965. He obtained M. E. in 1978 from Nagpur University. His research paper for M. E. was awarded “Best paper” by the Institution of Engineers [India] in the year 1976 & 1977 respectively. The testing technique for quality of wood developed by him as included in ISI in 1979. He was awarded Ph. D. in 1985 by Indira Gandhi Kala & Sangeet University, Khairagah for his work on “Acoustical and Mechanical Properties of Wood for Contemporary Indian Musical Instrument Making.” He was awarded Ph. D. in 1986 by Pt. Ravishankar Shukla University on “Investigation of Dynamic Properties of Non-Conducting Materials Using Electrical Analogy.” He has 47 years of teaching