

Professional Qualifications:

- M.Tech(CSE), NIT, Hamirpur(H.P.)
- B.Tech. (CSE), Ajay Kumar Garg Engineering College, Ghaziabad (U.P.)

Teaching Experience (in Years): 5 years

Subjects of interest: Image Processing, Data Compression, Compiler Design, Artificial intelligence, Data Structure, Design Analysis of algorithm, operating System, Cryptography and network security.

Academic achievements:

1. *Publications*

- [1] **Aditya Kumar**, Pardeep Singh, "Exploring a new Dimension in MANETs through a New Routing Protocol," **IEEE 3rd International Conference** on Electronics Computer Technology (ICECT 2011), 2011, pp.334-337 .
- [2] **Aditya Kumar**, Pardeep Singh, "An Image Compression Algorithm for Gray Scale Image,"**IEEE International Conference** on Emerging Trends in Networks and Computer Communications(ETNCC- 2011)
- [3] **Aditya Kumar**, Pardeep Singh, "Aggrandize Bit Plane Coding Using Gray Code Method," **International Journal** of Computer Applications (0975-8887) Volume 20– No.6, April 2011.
- [4] **Aditya Kumar**, Pardeep Singh, "Enhanced Block Truncation Coding for Gray Scale Image," **International Journal** of Computer Technology and Applications, Vol 2 (3), 525-530.
- [5] **Aditya Kumar**, Pardeep Singh, "A Wavelet Transform Algorithm for 2ⁿ Shades Image," **The International Journal** on Computer Science and Engineering (IJCSE).
- [6] **Aditya Kumar**, Pardeep Singh, "Comparative study of Block Truncation Coding with EBTC," **The International Journal** of Advances in Computer Networks and Security.
- [7] **Aditya Kumar**, Pardeep Singh, "Futuristic Algorithm for Gray Scale Image based on Enhanced Block Truncation Coding," **International Journal** of Computer Information Systems, Vol. 2, No. 2, 2011.
- [8] **Aditya Kumar**, Pardeep Singh , "Performance evaluation of Block Truncation Coding with Enhanced Block Truncation Coding," International Conference on Frontiers of Computer Science,2011.
- [9] **Aditya Kumar**, Shiv Shakti, "Minimization of the Packet Losses in MANETS Based on both Static and Dynamic Routing Protocols" in International Symposium on Devices MEMS Intelligent Systems and Communication.
- [10] **Aditya Kumar**, Babu Ram, "A Markov chain based model on Adaptive double increment double decrement (ADIDD) back-off algorithm to evaluate the performance of IEEE 802.11 DCF," in International Symposium on Devices MEMS Intelligent Systems and Communication.

