Abstract

Digital India is the new vision to improve the quality of life by putting the technology into a new face. The smart city leads to digitization of cities, making services more transparent, efficient and easily accessible. The rapid increase in the use of multimedia services on wireless devices has increased the demand of streaming videos sharply. The use of H. 264/SVC video standard over H. 264/AVC standard has gained large popularity recently because of its non-rigid nature. H. 264/SVC supports temporal, spatial and SNR scalability. This paper demonstrate the theoretical concept of these three types of scalability followed by impact of interface queue length (IFQ) and channel access mechanism on streaming videos transmission over Mobile Ad
Impact of IFQ and EDCA on H. 264/SVC over Mobile Ad Hoc Networks (MANETs). These network parameters are evaluated using network simulator 2 (NS-2) software integrated with scalable video streaming evaluation framework (SVEF).

References

- http://www.isi.edu/nsnam/ns/
Impact of IFQ and EDCA on H.264/SVC over Mobile Ad Hoc Networks


Index Terms

Computer Science

Wireless

Keywords

Mobile Ad Hoc Network  Digital India  Smart City  Streaming Videos  Svef  Ns2  Ifq  Edca