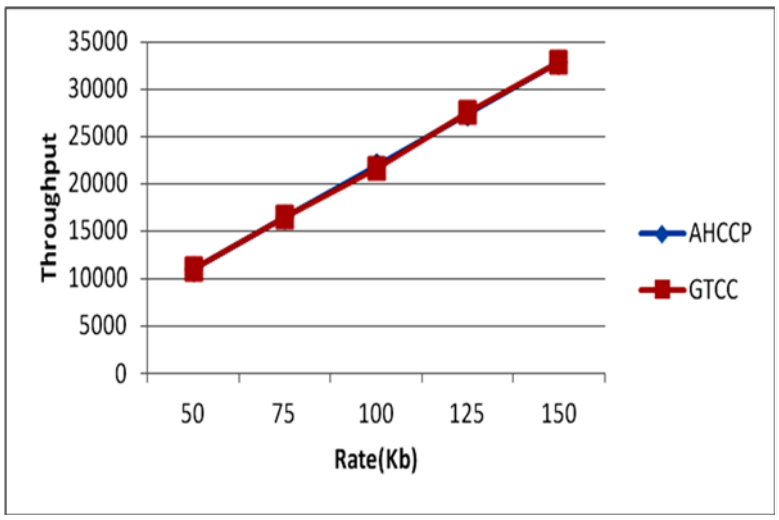

Fig. 8 Throughput for varying Rate

The graph showing the results of throughput for varying the rate is shown in Fig. 8. The figure depicts that the throughput of AHCCP ranges from 11056 to 32892 and throughput of GTCC ranges from 10931 to 32797. Ultimately, the throughput of AHCCP is 0.44% high when compared to GTCC.

Conclusion

In this paper, we have proposed an adaptive hybrid congestion control protocol for IoT sensor network. In this protocol, the packets sensed by the end Internet of Things devices are categorized into various priorities, depending on the traffic type. Based on the congestion status, source will use either rate based congestion control technique or choose alternate path for data transmission. By simulation results, we have shown that the proposed protocol is implemented in NS3 and compared with existing approaches in terms of packet delivery ratio, packet drop, through put and energy efficiency

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