

Investigation of Delivery of Triple Play Data in GE-PON Fiber to the Home Network

Authors : Ashima Anurag Sharma

Abstract : Optical fiber based networks can deliver performance that can support the increasing demands for high speed connections. One of the new technologies that have emerged in recent years is Passive Optical Networks. This research paper is targeted to show the simultaneous delivery of triple play service (data, voice, and video). The comparison between various data rates is presented. It is demonstrated that as we increase the data rate, number of users to be decreases due to increase in bit error rate.

Keywords : BER, PON, TDMPON, GPON, CWDM, OLT, ONT

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