

QOS METRICS IN TELEMEDICINE -MODERN APPROACHES IN TRADITIONAL MEDICINE

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ABSTRACT

Quality of Services (QoS) support was challenging in wireless communication networks compared with the wired networks due to bandwidth scarcity, latency and high bit error rate and the characteristics of the wireless channel differ based on the time and space. In the field of telemedicine, it was difficult to transfer the audio and video images due to lot of disturbances caused by different sources of noise in the transmission. This also resulted in the degradation of the *QoS* in the field of telemedicine. Therefore, we go in for a new approach by optimizing the physical, data link, and the application layers of the OSI protocol stack by modifying specific parameters which results in improving the *QoS* metrics in telemedicine.

KEYWORDS: Telemedicine, Cross-Layer design, Quality of service, WLAN (Wireless Local Area Network).