Abstract

Presently, IEEE 802.11 based wireless local area networks (WLAN) have been widely
deployed for business and personal applications. The main issue regarding wireless network technology is handoff or hand over management, especially in urban areas, due to the limited coverage of access points (APs) or base stations (BS). In this paper a new cost efficient and low latency handoff scheme is proposed where the number of access points (AP) is optimized in such a way that it fulfils both the criteria of low cost and low handoff latency. Here an efficient mathematical design utilizing the data’s available from the base station is implemented which includes maximum number of active calls within a network, number of calls it can support and range of connectivity or coverage area. The simulations were performed in MATLAB 7.8 to judge the applicability of the model in practical field.

References

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Index Terms

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Keywords

Access Point (AP)

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