

245. WBANS AND WSNS APPLICATION INTEGRATION APPROACH TOWARDS ACHIEVING ENERGY EFFICIENCY AND BETTER IMPROVEMENT OF QUALITY OF LIFE

S.Kannan

Teaching Fellow, Mathematics Department,

CEG, Anna University,

Chennai-600025, India

e-mail:kannan_s10@rediffmail.com

Worldwide the population growth is increased every year and people over 65 ratios is growing rapidly. The healthcare system and hospitals are very less and facing challenges to provide better service. Energy plays vital role in healthcare monitoring devices and systems. Integrating WBANs (Wireless Body Area Networks) and WSNs (Wireless Sensor Networks) can help in providing better quality of life. In this paper possibilities of achieving integration of WBAN and WSN, energy efficiency, and quality of life are discussed. Also, time and energy aware routing protocol (TEA) and healthcare model is proposed. Simulation results show that this approach can help in improving energy efficiency and quality of life.

Keywords—WBAN, WSN, Clustering, Mobile sink, Energy efficiency, quality of life.

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