



GSM BASED SOLDIER TRACKING SYSTEM AND MONITORING USING WIRELESS COMMUNICATION

P. Chakravarthi, S. Natarajan., M. Anto Bennet.*

¹ Faculty of Electronics and Communication Department, vel tech, Chennai, India.

Email: bennetmab@gmail.com

Submitted: May 27, 2017 Accepted: June 15, 2017 Published: Sep 1, 2017

Abstract- To design a soldier tracking system using wireless system for monitoring the parameters of soldier is as Body temperature & Temperature. Biomedical sensors: Here to find the health status of soldier we are using a body temp sensor to measure body temperature as well as pulse rate sensor. These parameters are then signal conditioned and will be stored in the memory. One of the fundamental challenges in military operations lays in that the Soldier not able to communicate with control room administrator. In addition, each organization needs to enforce certain administrative and operational work when they interact over the network owned and operated by other organizations. Thus, without careful planning and coordination, one troop cannot communicate with the troops or leverage the communication infrastructure operated by the country troops in the same region. The purpose of this investigation was to test the components of the Soldier Tracking and Performance Measurement System against the statement of requirements as found in the Request for Proposal. Secondary aims of this investigation included gathering data that will allow potential users of the system to understand its capabilities and limitations, as well as allow efficient planning of both time and resources necessary to ensure efficient and productive use of the system for training the soldier.

Index terms: temperature sensor, pulse rate sensor, Soldier Tracking and Performance Measurement System