

MONITORING OF SOLDIER'S HEALTH AND TRANSMISSION OF SECRET CODES

A project report submitted in partial fulfillment of the requirements

For the award of the

BACHELOR OF TECHNOLOGY

IN

“ELECTRONICS & COMMUNICATION ENGINEERING”

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2015 – 2019

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CERTIFICATE

This is certify that the project report entitled "**MONITORING OF SOLDIER'S HEALTH AND TRANSMISSION OF SECRET CODE**" is a bonafide work submitted by **V.V.Pavan Kumar, Shasank Kumar, S.Kiran Kumar, V. Harishsai Teja** in partial fulfillment of the requirements for the award of

BACHELOR OF TECHNOLOGY

IN

ELECTRONICS & COMMUNICATION ENGINEERING

During the academic year **2015-2019**.

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ABSTRACT

Strong and efficient Army of any country play a vital role in today's modern and scientific world. Soldiers are crucial to build a strong army. In developed countries, for the health monitoring purpose of army personal, a number of gadgets or devices are attached with them to take the look on their healthiness and their ammunitions. Health relating sensors like heartbeat sensor, body temperature measuring sensor, processing capabilities and transmission, can thus help to make economic wearable gadgets for monitoring of health. Different techniques and algorithms are used to pin-point the exact location of the soldier. In this paper we are going to design a smart device for soldier using modern technologies and techniques. This device would be carried by soldier in warfare. The device will be able to sense heart beat and body temperature of soldier and transmit the reading on base station where the cumulative data will be displayed. A small database is organized for storage of readings. Solder can also sent a secret massage on base station. In order to make the reading accurate and precise a formula is designed which is a correlation of body temperature and heartbeat. The health condition of soldier is going to predict in our work furthermore the base station can also send the answer of secret code. This system is particularly purposed for Pakistani soldiers who are fighting against the terrorism.

Keywords —tracking; biomedical sensors; navigation;