

A Major Project report on
WIRELESS MESSAGING SYSTEM FOR PARALYSIS PATIENTS
submitted to
Jawaharlal Nehru Technological University, Hyderabad

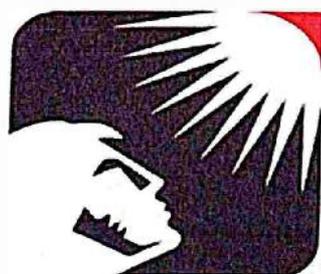
*In partial fulfillment of the requirement for
The award of degree of*

BACHELOR OF TECHNOLOGY
In
ELECTRONICS & COMMUNICATION ENGINEERING
BY

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2022-2023



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CERTIFICATE

This is to certify that the mini project entitled "WIRELESS MESSAGING SYSTEM FOR PARALYSIS PATIENTS" submitted to JNTUH is carried out by the following students of IV B. Tech in the partial fulfillment for the award of the B. Tech degree in Electronics and Communication Engineering during the academic year 2022-2023.

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ABSTRACT

Recent developments in off-the-shelf wireless embedded computing boards and the increasing need for efficient health monitoring systems, fueled by the increasing number of patients, has prompted R&D professionals to explore better health monitoring systems that are both mobile and cheap. This work investigates the feasibility of using the ZigBee embedded technology in health-related monitoring applications. Selected vital signs of patients are acquired using sensor nodes and readings are transmitted wirelessly using devices that utilize the ZigBee communications protocols. A prototype system has been developed and tested with encouraging results. Wireless-based non-confining monitoring systems improve the quality of life for the patients while serving as a cost effective solution to the problem of health care monitoring that is worsening with the increase in the aging population. The rapid development in the telecommunication field and mobile technology has accelerated the introduction of telemedicine as a viable and reliable alternative. Arduino will be used for the information transmitting from the patients and it will parallel send the SMS to the guardian of the patient through the SIM900A GSM and gives the information to the receiver end .



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