A Major Project report on

WIRELESS MESSAGING SYSTEM FOR PARALYSIS PATIENTS

submitted to

Jawaharlal Nehru Technodgical University, Hyderabad

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

BACHELOR OF TECHNOLOGY

In

ELECTRONICS & COMMUNICATION ENGINEERING

BY

K. SREEJA	**206Y5A0415**
B. SONY	**206Y5A0409**
M.TEJASREE	**206Y5A0418**
B. VASAVI	**206Y5A0407**

Under the esteemed supervision of

Mrs. M. Anitha
Assistant Professor

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

SUMATHI REDDY INSTITUTE OF TECHNOLOGY FOR WOMEN

(Approved by AICTE, New Delhi; Affiliated to JNTU, Hyderabad)
Ananthasagar (Vill), Hasanparthy (M), Warangal-506371

2022-2023

S.R.I.T. FOR WOMEN ★ WARANGAL ★

PRINCIPAL
Sumathi Reddy Institute of Technology for Women
Ananthasagar (V), Hasanparthy (M)
WARANGAL- 506 371 (T.S.)

SUMATHI REDDY
INSTITUTE OF TECHNOLOGY FOR WOMEN
Learning at its best
Affiliated to JNTUH - Approved by AICTE - Accredited by NBA

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

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.

K. SREEJA	**206Y5A0415**
B. SONY	**206Y5A0409**
M.TEJASREE	**206Y5A0418**
B. VASAVI	**206Y5A0407**

Mrs.M.Anitha
AssistantProfessor
Supervisor

Dr. K. Mahender
Associate Professor
Head of Dept., ECE

S.R.I.T. FOR WOMEN WARANGAL

PRINCIPAL
Sumathi Reddy Institute of Technology for Women
Ananthasagar (V), Hasanparthy (M)
WARANGAL- 506 371(T.S.)

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 .

S.R.I.T. FOR WOMEN ★ WARANGAL ★

Principal
Sumathi Reddy Institute of Technology for Women
Ananthasagar (V), Hasanparthy (M)
WARANGAL - 506 371 (TS)