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VISVESVARAYA TECHNOLOGICAL UNIVERSITY,BELAGAVI-590 018

A MICRO PROJECT REPORT ON

"Health Monitoring System using 7-Segment Display & Atmega Microcontroller"

Submitted By,

Nesara S Gowda	4AL20IS033
Mallikarjuna N P	4AL20CS067
Spandana	4AL20CS150
Vishwanath M	4AL20EC063

Under the Guidance of

Mr. Sandeep Kumar
Department of Civil Engineering

ALVA'S
Education Foundation

DEPARTMENT OF BASIC SCIENCES
ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY
MOODBIDRI-574225, KARNATAKA

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ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

MIJAR, MOODBIDRI D.K. -574225

KARNATAKA

ALVA'S
Education Foundation

DEPARTMENT OF BASIC SCIENCES

CERTIFICATE

This is to certify that the Micro-Project entitled **"Health Monitoring System using 7-Segment Display & Atmega Microcontroller"** has been Successfully Completed by

Nesara S Gowda	**4AL20IS033**
Mallikarjuna N P	**4AL20CS067**
Spandana	**4AL20CS150**
Vishwanath M	**4AL20EC063**

The bonafide students of **Department of Basic Sciences, Alva's Institute of Engineering and Technology,** affiliated to VISVESVARAYA **TECHNOLOGICAL UNIVERSITY, BELAGAVI,** during the academic year 2020–2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The report has been approved as it satisfies the academic requirements in respect of Micro-Project work prescribed for Bachelor of Engineering.

Mr. Sandeep Kumar
Mini Project Guide

Dr. Ramaprasad A.T,
HOD Physics

H. O. D.
Dept. Of Physics
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225

ABSTRACT

This health monitoring system is a highly valuable tool for keeping track of a patient's health data. This system continuously monitors the patient's heart rate and temperature reading. We use two 7 segment modules to display the parameters in our health monitoring system project since the display has a longer viewing distance. We can also set an upper and lower limit for the temperature and heartbeat. If the temperature rises above the specified high limit or falls below the set low limit while monitoring, the buzzer rings and the load switches off. When the heartbeat sensor is removed, the system senses a low heartbeat, the buzzer sounds, and the load is turned off. In an emergency, this buzzer can assist the patient's well-wishers in taking action. The bulb turns on and the alert goes off when the temperature and heart rate are in control