VISVESVARAYA TECHNOLOGICAL UNIVERSITY,

BELAGAVI – 590 018

Activity Report on

DIGITAL THERMOMETER

Submitted as subject assignment work

MICROCONTROLLER AND EMBEDDED SYSTEMS (21CS43)

Submitted as subject assignment work

BY

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

MOODBIDRI-574225, KARNATAKA 2022– 2023

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY MIJAR, MOODBIDRI D.K. -574225 KARNATAKA

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This is to certify that assignment work for the subject **"Micro Controller And Embedded Systems (21CS43)"** has been successfully completed and a report submitted by **Veda Ishwar Chavan** bearing USN **4AL21CS171** during the academic year 2022–2023. It is certified that all corrections/suggestions indicated presentation session have been incorporated in the report and scored 9 Marks out of 10 and deposited in the departmental library.

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Introduction to Digital Thermometers

In today's fast-paced and technologically advanced world, the measurement of temperature has been greatly enhanced by the introduction of digital thermometers. These electronic devices have transformed temperature monitoring by offering accuracy, speed, and convenience that surpass traditional mercury-based thermometers. With their widespread applications in various fields, digital thermometers have become an indispensable tool for professionals and individuals alike.

Gone are the days of relying on mercury columns to ascertain temperature; digital thermometers have taken center stage due to their reliability and ease of use. Leveraging principles of modern electronics, these devices convert temperature readings into digital signals that can be swiftly processed and displayed on a screen. This not only ensures precision in measurement but also provides an instantaneous and easily readable result, eliminating the need for interpretation or guesswork.

The adoption of digital thermometers is not confined to a single domain. From medical environments to industrial processes, culinary settings to meteorological stations, digital thermometers have found their place as indispensable tools for obtaining accurate temperature readings. Their versatility, coupled with advancements in sensor technology and design, continues to drive innovation in temperature measurement.