VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM

A Project report on

"SEPERATION AND DETECTION OF WHOLE BLOOD COMPONENTS AND THEIR COUNT USING ARM PROCESSOR"

Submitted in the partial fulfillment of the requirements for the award of degree of

BACHELOR OF ENGINEERING

In

ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted By:

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ABSTRACT

As from the title of the project we can infer that the main aim of this project is to measure the density of the blood sample and then conclude the various diseases affected. Nowadays common people in villages are not able to provide health treatments to themselves and to their families mainly because of the large cost of treatment. With the technique shown by us in our report, a cost effective and handy device can be developed. This device measures the density of blood from which we can have a rough idea about our health condition. It is beneficial for rural area people and people who cannot afford high tech treatment methodologies to determine their health status. This technology can pave the way for further design of cost effective and handy devices in the field of medical science.