

# **Ease- Capsense Blood Glucose Meter**

**(SPONSORED BY K.S.C.S.T BANGALORE)**

*A Project Report  
submitted in partial fulfillment of the requirements  
for the award of the Degree of Bachelor of  
Engineering in Bio-medical  
of the Visvesvaraya Technological University, Belgaum*

**Submitted by**

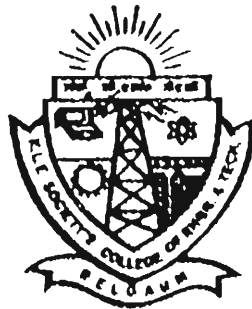
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## Introduction

## Abstract

*This project is dealt with designing an advanced blood glucose monitoring equipment which can be interfaced through PSoC microcontroller. The glucometer here is a device used to measure the amount of glucose present in the blood and displays the value in the LCD. The project designed here consists of advanced parameters like temperature sensor and glucose sensor, also a Capsense interface.*

*Practically speaking CapSense technology is known for its almost zero power consumption. The capsense is a better replacement for the mechanical switches. Making use of the various advantages of PSoC (Programmable System on Chip) and Capsense technology, <sup>It was</sup> ~~we have~~ designed a blood glucose monitoring device which has an added feature of sensing body temperature along with audio messages indicating any variations from normal conditions in both blood glucose level and temperature.*

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