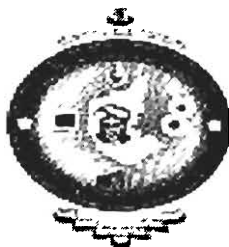


**VISVESVARAYA TECHNOLOGICAL UNIVERSITY
BELGAUM-590018**



A REPORT ON PROJECT WORK

“GSM BASED BABY INCUBATOR WITH DIAGNOSIS”

(Sponsored by K.S.C.S.T.)

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

**BACHELOR OF ENGINEERING
IN
INSTRUMENTATION TECHNOLOGY**

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ABSTRACT

Every year, about one million infants in the developing world die due to premature complications. These deaths are often caused due to heat loss, uncontrolled temperature, humidity and oxygen levels that can be prevented by an incubator. Such chambers need be designed, so that it must be economical, easily accessible and usable. Our incubator design accounts for compact availability of all resources required for measure, control and monitor temperature, humidity and oxygen level. The design will have broad applicability in any geographical context where portability, cost and energy are primary concerns.

The system will monitor and controls the temperature and humidity according to the baby weight, inside the incubator. If any fault or failure occurs in any one of the sensors then immediately it will alert the doctor about the failure through the GSM modem in the form of SMS. The project carried out provides a better relief and a chosable option for an easier handling and early recovery of to-be cared babies in an isolated environment.