

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
BELGAUM – 590 014.



A REPORT ON PROJECT WORK

**“COST EFFECTIVE TRANSPORT BABY INCUBATOR FOR
RURAL HEALTH CARE”**

(~~Affiliated To~~ KSCST)

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

**BACHELOR OF ENGINEERING
IN
ELECTRONICS AND COMMUNICATION**

PROJECT ASSOCIATES

APARNA.U	4GM06EC012
BASAVARAJU.N.PATEL	4GM06EC018
DEEPA.CHIKKAMATH	4GM06EC023
MANJANAIAK.C	4GM06EC041

PROJECT GUIDE

Smt. TEJASHWARI. T

BE, M.Tech.

PROJECT CO-GUIDE

Ms. MAMATHA

B.E

HEAD OF THE DEPARTMENT

Prof. D. BASAVALINGAPPA

M.Tech, M.I.S.T.E, FIE (Ind)



2009-2010

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
G M INSTITUTE OF TECHNOLOGY
DAVANGERE - 577 006, KARNATAKA.**

ABSTRACT

✓ Introduction :

Premature are babies prior to the normal 36 or 37 weeks of gestation within the womb, which is not in normal state due to conditions of unhealthy atmosphere. Infant born will be in state of under/over weights, with abnormal body temperature, with unhealthy conditions like jaundice, because of inadequate nutrition and improper care when in mother's womb. To care such babies and bring them to normalcy, special chambers called "INCUBATORS" are adapted. An incubator is an apparatus used to maintain environmental conditions suitable for a neonate(newborn baby). It is used in preterm births.

Often such conditions are seen in rural areas which are remote from proper diagnosis of mother during pregnancy leading to unhealthy labor. To overcome such pity conditions of both mother and infant and to provide with fear-free early treatment medical compartments, like warmers/incubators are used for retaining normalcy. In some emergency situations, it may be necessary to transfer a neonate to another site for this we use 'TRANSPORT BABY INCUBATORS', where the infant is transported calmly and quietly.

Any change in the living area can disturb a fragile infant, even if it is for a very short duration. Such chambers must be so designed that it must be economical, easily accessible and usable. Therefore to build cost effective system, a near-ideal design is put forward in a hope and view of providing must needed action and care for relief especially for rural people.) ✓

ⓐ