KUVEMPU UNIVERSITY

"Solar Powered Prototype Magnetic Propulsion Car"

(Sponsored by KSCST, Bengaluru)

Project report submitted in partial fulfillment of the requirements for the award of degree of

BACHELOR OF ENGINEERING IN MECHANICAL

By

AFZAL AHAMAD	BE070072
ANIL K S	BE070076
GURUPRASAD B D	BE070086
MANJUNATH U MAVINTOP	BE070095

Under the guidance of

Dr.IRAPPA SOGALAD

Assistant Professor

Department of Studies in Mechanical Engineering

U.B.D.T.C.E, Davangere

2010 - 2011

DEPARTMENT OF STUDIES IN MECHANICAL ENGINEERING

UNIVERSITY.B.D.T. COLLEGE OF ENGINEERING

DAVANGERE - 577 004 KARNATAKA

ABSTRACT

The main aim of solar powered prototype magnetic propulsion car is to obtain a linear motion of an engine by application of the principle of Magnetic force by using electric power which is produced by solar panel. The increasing demand of the fossil fuels and the increasing environmental pollution in the day-today life have made us to think an alternative way of using the vehicles by using different source other than fuels.

There are several reasons for the continuing interest in the usage of electric power. Electric power creates less pollution than gasoline, so they are an environmentally friendly and alternative to gasoline. Vehicles powered by electric power are getting a lot of attention right now in the news because of no pollution. But in electric powered motor consumes more current from the batteries which needs frequent charging.

So in the present work an electromagnetic coil which consumes very less power momentarily is used to energize the coil. This electromagnetic power developed by the electromagnetic coils is used to slide a piston in linear motion effecting the cranking and resulting in spindle rotations.