VISVESWARAYA TECHNOLOGICAL UNIVERSITY
BELGAUM

A PROJECT REPORT ON

"MAGNETIC REPULSION DRIVE TROLLEY VEHICLE"

(SPONSERED BY K.S.C.S.T, BANGLORE)
Submitted in partial fulfillment of the requirement
For the award of the degree of

BACHELOR OF ENGINEERING
In
AUTOMOBILE ENGINEERING
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2011-2012

ABSTRACT

The electromagnetic levitation technology is used to move the piston to and fro within the magnetic coil when energized which makes the movement to effect the cranking to drive the vehicle. The energizing of the coil is through a circuit to effect the speed control of the vehicle. This will have self charging with alternator dynamo charging the battery during the propulsion drive. The self weight of the trolley is approximately 10kg and it can carry additional 5kg load for demonstration. The magnetic repulsion drive trolley vehicle is environment friendly and uses electricity as the only source of energy. This principle was used in maglev trains which we have tried to implement for an four wheeler vehicle.

Keywords: Electromagnetism, magnetic levitation, magnetic coil set, relay switch etc.