

FABRICATION OF MAGNETIC REPULSION PISTON ENGINE

A project report submitted in the partial fulfilment of the requirements for award of degree of

BACHELOR OF TECHNOLOGY IN MECHANICAL ENGINEERING

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CERTIFICATE

This is to certify that the project entitled "**FABRICATION OF MAGNETIC REPULSION PISTON ENGINE**" is this record of the work carried out by **P.Chandra Sekhar Rao (18815A0349)**, **K.Teja (18815A0328)**, **A.Srikanth(18815A0376)**, **D.Lokesh (18815A0312)** students of final year B. Tech in the department of Mechanical engineering.

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Project Guide


Head of the Department

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ABSTRACT

The demands for fuels are increasing day by day, and those fuels are depleting from the earth. So, everyone has to depend on alternative energy sources. Here this project is one of the methods, that the usage of one permanent magnet and one electromagnet to get the required reciprocating motion, with the help of magnetic attraction and repulsion forces in an enclosed chamber without any pollutants and emissions. In this design the reciprocating motion of the piston is similar to internal combustion engine. But the cylinder head is replaced by an electromagnet, which creates both north and south poles when electricity passes through the copper coil. Piston consists of a permanent magnet which shows north/south face always to its cylinder head. The whole arrangement will give us required cycle, reciprocating motion of a magnetic piston with the help of crank and connecting rod mechanism. It is an eco-friendly model project and may have chances to use in automobiles, power generation areas and we can use this model even in toys as prime mover etc.in future.

The main motto of selection of this project is to encouraging the eco-friendly alternative methods for running an engine and to get the required mechanical output energy which can be used in any of our required fields. Through this type of project models we can get the awareness, that we have so many ways to run or to get a mechanical motion without giving the pollutants and harmful emissions as outputs etc. if this project success means we can continue research on this magnetic energy to build it in so many better ways, and we have chances to replace the conventional IC engines with this modals.