



MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE GWALIOR

Department of Mechanical Engineering

REPORT OF SKILL BASED MINI PROJECT

Theory of Machine ii

Title of Project: MULTI LEAF SPRING

Introduction: The radial engine is a reciprocating type internal combustion engine configuration in which the cylinders "radiate" outward from a central crankcase like the spokes of a wheel. It resembles a stylized star when viewed from the front, and is called a "star engine" in some other languages. The radial configuration was commonly used for aircraft engines before gas turbine engines became predominant.

Description of Model - In this Project we made a working model of five cylinder radial engine. In this project we use syringe as piston cylinder arrangement and cardboard for the whole body of model and nuts screws use for the connection of parts.



Applications of Model : The Radial Engine is generally used in aircrafts. Aircraft propeller is attached with this radial engine and rotate it. Radial engine is depend on number of cylinder as number of cylinders increase the power production increases.

What I Learned Through Project: In this project i learn't about the working of radial engine how radial engine work, how balancing work on piston cylinder arrangement, what mechanism used in radial engine.

Submitted By

Prateek Prajapati
Mohanish Lande
Mohammad Hasnain Raza
Madan Singh Dinkar
Mayan Turkar

Class: Vth Sem. Mechanical Engineering

Utkarsh

Submitted To

Prof. Utkarsh Shrivastava


Head
Deptt. of Mechanical Engineering
Madhav Institute of Tech. & Science
Gwalior - 05 (India)