

FABRICATION OF STIRLING ENGINE MODEL
A PROJECT REPORT IN PARTIAL FULFILLMENT OF THE
REQUIREMENTS FOR THE AWARD OF THE
DEGREE OF
BACHELOR OF TECHNOLOGY
IN
MECHANICAL ENGINEERING
BY

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CERTIFICATE

This is to certify that project report is entitled “**FABRICATION OF STIRLING ENGINE MODEL**” was carried out by **K.KISHORE(16815A0314) , A.VARA PRASAD(16815A0302),V.SRINU(15811A03D8),V.ASHOKSAI(15811A03E0)** in partial fulfillment of the requirements for the award of the Degree of Bachelor of Technology in “**MECHANICAL ENGINEERING**” at AVANTHI INSTITUTE OF ENGINEERING & TECHNOLOGY, Narsipatnam during the academic year 2018-2019.

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EXTERNAL EXAMINER

ABSTRACT

Worldwide attempts are being made to increase the use of our renewable energy sources as well as to use our current fossil fuel energy sources more efficiently. Waste heat recovery from the Power plants or to take advantage of solar energy to drive Stirling engine and it is the focus of this project. Stirling technology finds application in both the renewable energy sector and in waste heat recovery.

Our idea was to model a special Stirling engine that could generate power from both an open fire, such as a firewood stove, and have the potential to generate power on a sunny day using a solar concentrator. This ingenious idea would take advantage of both the available energy while taking a “green” turn and utilizing solar heat to supplement the power generated. Thus the HYBRID CONCEPT.