

# **EFFICIENCY IMPROVEMENT OF SOLAR COFFEE MAKER**

**APPROVED BY K.S.C.S.T.**

A project report submitted  
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## ABSTRACT

*Energy consumption is always considered as a mark of prosperity but energy crisis is always an indication of alarm for the new sources and conservation of the energy. For a typical Indian everyday starts with a coffee irrespective of his/her status.*

*In today's world when the whole world is thinking and concentrating about the renewable sources of energy for all the application starting from transportation to HVAC applications. At this stage it is necessary to reduce the utilization of conventional fuels viz LPG/Electricity for preparing coffee would be a small but effective means of conserving the energy in long term.*

*In the present work an attempt to improve the efficiency of CPC by SCTL and also to prepare coffee by using solar energy and cylindrical parabolic collector was carried out. The results obtained are satisfactory as well as promising for future work.*

*Two types of testing were carried out, thermal and quality testing by surveying.*

- *Compare to UCTL, the SCTL yields higher temperature as well as higher efficiency.*
- *The maximum temperature obtained was 96<sup>0</sup>C at 1300hrs which opens an option to obtain such a high temperature at 1000hrs to 1100hrs with the help of scope for temperature work.*