

A MAJOR PROJECT ON

“DESIGN & ANALYSIS OF A CONCENTRATING PV CELL”
(Sponsored by KSCST)

Major Project Report submitted for partial fulfillment of the requirement of the 8th semester B.E

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ABSTRACT

Solar technology offers great potential in terms of supplying the world's energy needs. However, its current contribution to the world is still limited. The main factor is high initial cost of building the system. This project will provide a view of how parabolic solar concentrators can be used to make solar technology bit more affordable.

In this project two aspects are taken into account primarily to concentrate the sun light on to the PV cell and to measure its effect on the output and secondarily thermal absorption in which it has been taken care so that diffused radiation utilised to heat the water, which can be further utilised for small applications.

Keywords: Solar Energy, Solar Concentrator, PV cell