



FINAL YEAR PROJECT REPORT

TITLE

"FABRICATION OF LOW ENERGY CONSUMING FAN"

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1.2 Project Objectives

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ABSTRACT

We are making a low energy consuming fan via optical sensor remote control with backup Battery charger, the purpose of making energy saving fan is to reduce the power. Now the Question arises is that how we reduce the power? Basically we are using different techniques to reduce the power we replace the aluminum body of fan with fiber body because aluminum fan have low starting torque, more weight, and more noise, power consumption is high depending on the size of the fan. Using fiber body we reduce the losses it has more starting torque, less Weight, less noise longer life due to improved mechanical strength and the most important part is that there is a big cost difference as compare to metal. Moreover we are using DC motor this is more advantageous as compare to AC motor. DC motor high starting torque, it starts quickly as well as stops quickly it is smaller in size it has no control complexity, whereas AC Motor has low starting torque, control complexity, large in size.

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