

PROJECT TITLE -GENERATION OF ELECTRICITY USING A TREADMILL

ABSTRACT

It is a nonconventional type of producing the energy. This project is a one step to path of exploring the possibilities of energy from several non-conventional energy sources. The purpose of the project is to design, build and evaluate a treadmill generator system that charges a heavy duty electrical battery. Further, the power output of the prototype is to be quantified at various speeds and different angles of inclination. This output is to be compared to energy expenditure predicted metabolically by human exercise to obtain estimated efficiency calculations. The resulting performance capabilities are to be used for various applications the concept could have.

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