Abstract

Electricity calamity and scarcity is among one of the burning questions of third world countries especially in Pakistan these days. There exist multiple other ways to generate electrical energy. In order to address one of the innovative alternate method of electricity generation, we have worked on the technique to generate electricity i.e. using paddling impact. This is done by applying paddling force on floor which is converted to kinetic energy and then to mechanical energy, thereafter mechanical energy is further transformed into electrical energy which is accumulated for genuine use towards power hungry load. The phenomena works on the Law of Conservation of Energy. Undoubtedly this method cannot meet the total requirement of large number of consumers but this can handle energy crisis to some magnitude which seems tremendous and significant accomplishment. This electricity production is not only pollution free but it is more economical since it require low maintenance efforts and can minimize the ongoing burden of charging batteries for hand carrying electrical appliances and street lights etc. Although some engineers, researchers and companies have initiated to provide such solution but lot of work is needed to design for economical solution to be available to every consumer. In this paper we have presented the extended design and implementation.
Towards Generation of Alternate Electrical Energy via Paddling Impact: Protracted Design and Implementation

References


Index Terms

Computer Science

Applied Sciences
Keywords

Electricity Generation  Energy Crisis  Mechatronics  Computation  Software

Control.