A PROJECT REPORT ON

ENERGY GENERATION USING FOOT STEPS

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ABSTRACT

Earlier the generation of electric power was been done by using the most convention means like bull, wooden wind mills. Once the man came to know about the usage of it and its advantage, he started using more and more and when this happened frequently the popularity of using electric power increased.

In those times the available system was not capable to fulfill the needs. This reason laid a foundation for finding various source to generate electric power like Tidal power generation, Thermal power generation, Ocean Thermal Energy Conversion (OTEC) etc. Even after all these invention we are still in an energy crisis .why is it so? , It's not just because we are using more, it is also because we are wasting more, we should not only save the energy but also conserve it.

In this approach we went on in a search of some source that is still not known or used in a large scale, and surprisingly we found that the source is right our footsteps .In this project we are demonstrating clearly that the electric power is generated by using footsteps it means when you walk, the body force what we apply downwards suppresses the cam which has a rack in it which meshes with pinion attached at the end of the generator shaft. The generator shaft rotates indeed generates electric power. In this project we are using a LED display, and the model can be direct used as a navigation system with certain additional attachments like just a shoe grip on top to cover and hold the leg.

The Power Generated by a spring deflection of 15mm is 10.089 mill volts per stroke.