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Advanced Footstep Power Generator

Prof. Waghmare Ashwini, Atharva Dayanand, Patil Tushar Mohan
Jagdale Aniket Sandip, Pisal Suraj Yuvraj Patil
Department of Electronics and Telecommunication
JSPM's Bhivrabai Sawant Polytechnic, Wagholi, Pune

Abstract: *Power generation and its use is one of the issues. Now-a- days numbers of power sources are present, nonrenewable & renewable, but still we can't overcome our power needs. Among these human population is one of the resources. In this project we are doing generation of power by walking or running. Power can be generated by walking on the stairs. The generated power will be stored and then we can use it for domestic purpose. This system can be installed at homes, schools, colleges, where the people move around the clock. When people walk on the steps or that of platform, power is generated by using weight of person. The control mechanism carries piezoelectric sensor, this mechanical energy applied on the crystal into electrical energy. When there is some vibrations, stress or straining force exert by foot on flatplatform. It can be used for charging devices e.g. laptop, mobile, etc.*

Keywords: Power utilization, Power generation, piezoelectric material, energy utilization