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Foot Step Power Genration

Aniket Dhumbre, Atharv Kanjane, Priyanka Nila, Mansi Khedekar, Dr. Vaijayanti Deshpande
Zeal College of Engineering and Research, Narhe, Pune, Maharashtra, India

Abstract: *The project explores the use of piezoelectric sensors to generate electrical energy from human footsteps. These sensors convert mechanical stress into electrical energy, which can be harnessed and used in urban environments, public spaces, and smart cities. The technology promotes green energy and reduces dependence on conventional power sources. The sensors are strategically placed beneath walking platforms to maximize energy capture. The generated AC voltage is rectified and stored for low-power applications. This scalable and eco-friendly method can be integrated into future smart city infrastructure, supplementing traditional power supplies and reducing non-renewable resource dependency.*

Keywords: Piezoelectric Sensors, Two Power Generation Methods

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