

# Advanced Footstep Power Generation System

Samriddhi Rai\*, Sukrut Kulkarni, Samarth Nagmode, Atharva Pathak and Prof. Santosh Lavate

Department of Electronics and Telecommunications Engineering

AISSMS Institute of Information Technology, Pune, Maharashtra, India

Corresponding Author: samriddhirai1401@gmail.com\*

**Abstract:** *Because the human species consumes a large amount of energy at a rapid rate for survival and well-being, power resources have been depleted and enervated. One of the most pressing challenges, as a result of the expanding population, is the generation and use of electricity. Despite the fact that there are numerous power supplies available today, both non-renewable and renewable, we are still unable to meet our electricity requirements. So, in order to overcome these concerns, we'd like to introduce our "Advanced footstep power generating system." Pressure or mechanical energy expended while walking or running is usually squandered. As a result, the project's major goal is to create energy through walking or running. The electricity generated will be used in the home.*

**Keywords:** Energy Crisis, Supply and demand, Renewable Energy, Piezoelectric etc

## REFERENCES

- [1]. Foot Step Power Generation System Mr. Prasad Anipireddy, Mr.T.V.Subba Rao, Madhusudana Rao
- [2]. Development of a advanced footstep power generator in converting kinetic energy to electricity Chun Kit Ang, Ammar A. Al-Talib1, Sook Meng Tai, and Wei Hong Lim
- [3]. Study on footstep power generation using piezoelectric Tile, Anis Maisarah Mohd Asry, Farahiyah Mustafa, Sy Yi Sim, Maizul Ishak, Aznizam Mohamad
- [4]. Footstep Power Generation System with RFID for Charging Krati Gupta, Bhupendra Singh, Madhuram Dixit, Renu Rani
- [5]. Advanced Footstep Power Generation with Piezoelectric Sensors, P.Venkatesh, M. Satyakalyanvarma, M. Sahil, P. Saiyajay
- [6]. Advanced Footstep Power generation System with RFID for Charging, Godithala Venugopala Chakri, Gopagani Vamshi, Mohammad Sohel , Mr. P Ravikiran
- [7]. Power Generation Footstep, Shiraz Afzal, Farrukh hafeez.