

Power Generation by Walking

T John Institute of Technology/ 1st SEM/

PROBLEM STATEMENT

How might we help the average citizen or common man to obtain a self reliant and incessant source of electricity, from energy sources reliant on multiple external sources and have a self reliant energy source based on mere human exercise.

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INTRODUCTION

Due to lack of alternate, independent and eco-friendly sources to generate electricity a large number of people residing in the rural areas have to suffer from unprecedented power outages and loss of productivity. The conventional methods of power generation are capital intensive and require huge maintenance costs. Even the Solar and water based energy harvesting systems usually are inefficient to tackle this issue. Our proposal is to build a system that utilises man-power that is generally wasted to produce electricity. This will be a more efficient and localised way to tackle a problem of this scale.



IDEA GENERATION

These are tiles that will be embedded into the floor of a walkway or a section of the flooring where many people have a common pathway through.

Stepping on tiles makes them generate electricity, which can be stored in capacitors or batteries for later use.

These can be configured for immediate usage as well to generate energy for illumination purposes.

PROTOTYPE IMAGES

