

Power Generation in Gym using Treadmill

T John Institute of Technology/ 1st SEM/

PROBLEM STATEMENT

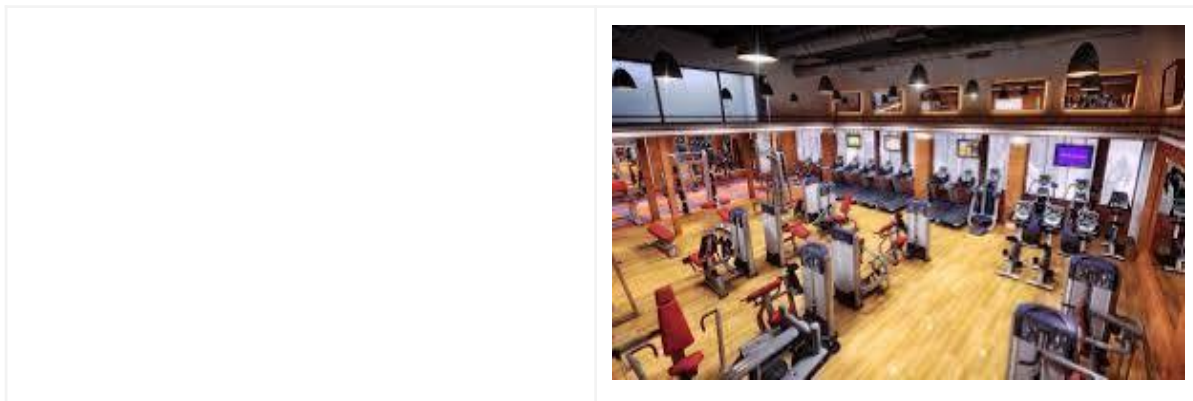
We exert a lot of energy in the gyms to maintain a healthy lifestyle. A lot of energy is exerted by us humans during this process, How might we harness this energy efficiently to make our gyms a self sustained energy units

TEAM MEMBERS

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INTRODUCTION

With a healthy lifestyle and not enough open spaces for physical activity we see gyms in every corner around us. While we exercise at gyms to keep ourselves fit, in this process we do a lot of work that just goes as waste. We came up with the idea to generate electricity from working out in the gym.





IDEA GENERATION

Our generation is evolving towards fitness. People of all age groups are working out, but the people who workout indoors are more than people who workout next door. Everyone who exercises indoors uses a treadmill. Treadmill works from electricity, but our product does not require any electricity to run, it just uses manpower to rotate the belt while running and due to the rotation, kinetic energy is created in the shaft, and then converted into electrical energy through a DC motor and then the power is stored in a rechargeable batteries and utilised when necessary.

PROTOTYPE IMAGES

