**ABSTRACT**

The Footstep Power Generation, here we proposed a power generation technique through piezo sense and treadmill stride control generator framework that uses the piezo electricsensors to produce control through strides as a wellspring of sustainable power source that we can get while strolling on a specific course of action like venturing foot on a piezo tiles. This venture portrays the utilization of piezoelectric materials keeping in mind the end goal to collect vitality from individuals strolling vibration for producing and amassing the vitality. The essential working standard isbased on piezo electric sensors. At the point when the ground surface is designed with piezo electric innovation, the electrical vitality created by the weight is caught by floor sensors and changed over to an electricalcharge by piezo-electric transducer. These sensors are put such that it creates greatest yield voltage. This yield is given to our checking hardware which is microcontroller based circuit that enables the boost converter firingangel and charges a battery, and this power source has numerous applications. Our task to applythis type of power generation in highly populated area and gym.