**Foot step based rack and pinion motion based power generation using dynamo**

**Abstract**

Now a day’s energy and power are the one of the basic necessities regarding this modern world. In this project we are generating electrical power as non-conventional method by walking on the footsteps. Non-conventional energy system is very essential at this time to developing nations like India, China etc. Non-conventional energy using footsteps needs no fuel input power to generate the output. In this project the conversion of mechanical energy into electrical energy is done by using simple drive mechanisms such as rack and pinion assembly and chain drive mechanism.

 Key Words: Footsteps, Conventional Energy, Non-conventional energy system.