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Power Generation using Foot-Step and P.V. Panel

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Abstract: *Man has needed and used energy at an increasing rate for the substance and well - being since time immemorial. Due to this a lot of energy resources have been exhausted and wasted. Proposal for the utilization of waste energy of foot power with human locomotion is very much relevant and important for highly populated countries like India where the railway stations, temples, etc., are overcrowded all round the clock. Now days energy and power are the one of the basic needs in this modern world. Energy demand is increasing day by day. On the other hand, the many energy resources are getting exhausted and wasted. Millions of people move around. This whole energy is wasted. If this energy made possible for utilization, then it will be a great invention. In this project we are converting non-conventional from just walking foot step into electrical energy. This project uses simple drive mechanism such as rack and pinion assembly. The control mechanism carries the rack pinion; D.C generator, gears, shafts, plates and multi-meter to show output. We have discussed the various applications and further extension. Non-conventional energy system is very essential at this time to our nation. Non- conventional energy using foot step needs no fuel input power to generate the electrical power. In this project the simple drive mechanism such as rack and pinion assembly mechanism is used for generating power by utilization of force which is obtained during the walking on steps is converted in to electrical energy with the help of mechanical systems. We have discussed its various alternate applications with extension also. The power generation is much worthy but it has little initial cost-effective factors.*

Keywords: P. V. Panel

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