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| **Title:** | Designing and Performance Analysis of a Small-Scale Power Generating System Utilizing Rail Locomotives |
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| **Abstract:** |  |
| This paper illustrates a project work which approaches the design of a power generating system that will utilize the speed of a train. The circuit diagram of the project work has been first drawn on Fritzing based on the proposed idea and the whole system hardware is designed. The successful generated output power is displayed on LCD display. In the proposed model, A SD card has been used whose function is to store the generated parameters at a certain time interval. The prime aim of the aforementioned project is to fulfill the requirements of electrical appliances like fan, bulb etc. on a train coach using the generated power. To employ the kinetic energy of the air to generate power by implementing suitable arrangements in train is the goal of the considered project. The success of the project depicts that the implementation of this technology will certainly help in reducing the consumption of fossil fuels and thus contributes positively in terms of global warming. | |