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| **Project title:** | POWER GENERATOR FROM EXERCISE BIKE |
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| **Academic Year:** | 2019 |

**Abstract**

Bicycle is a vehicle that has been very popular nowadays. Use both for travel and to exercise. And mobile devices, it is important to have benefits in many areas such as communication. Using the application functions that are useful. The cyclists have to take advantage of the many mobile applications such as navigation applications. Contact EMERGENCY Do so with the idea that there should be a system of charging for cycling. The objective of the project Is to study the relationship between the speed of cyclists on the voltage and amperage. The experimental design is as follows: Theory and Related Advisory Teacher Project Advisors Thus starting the cycle The principle works as follows: Bicycle generator, which produces electricity to AC electricity out onto the circuit that converts AC power into DC power. Through Capacitor Connected to a backup battery to store electrical energy. The results showed that the voltage and electric current proportional to the speed of the bike. As part of the cyclists to recharge the battery. We build web applications And storage of the individual into the Database for the duration of each spin of the user. Can be converted into a kilo calories of each individual user. The trial successfully met its objectives and assumptions we have set .

**Keywords:** Web application, Charging from cycling.