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# System of Tricycle Mechanics Powered by Batteries

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**Abstract:** *A three-wheeled bicycle with an attached engine is known as a motorised tricycle. Tricycles are classified as vehicles since they are propelled by electric motors or small internal combustion engines. Some are self-propelled if the user does not cycle, while others need pedalling. Electric bikes are powered by rechargeable batteries. These are charged from the mains, with the option of regenerative braking, charging while pedalling, or charging while sliding downhill. Electric motorised bicycles may be pedal-controlled or power-on-demand, with the motor controlled by a handlebar-mounted throttle. To detect pedalling, they may include a motor or torque sensor. The tricycle for this project is battery-operated and electrical, with no pedals. The mass of an electric vehicle has an impact on its performance, range, and cost. Heavy tricycles need a greater amount of power from the electric motor. It's critical to build a light, robust, and rigid frame to reduce the tricycle's weight. Choosing the right electric motor and battery mass may help you save weight, improve transmission efficiency, and triple your vehicle's range.*

**Keywords:** Battery, Tricycle, Electricity, Bicycle

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