NAME: NWANKWO CHIDINDU MARYROSE CLASS: JSS2 SCHOOL: INFANT JESUS SECONDARY SCHOOL, FEGGE ONITSHA, ANAMBRA STATE PHONE NUMBER: 08064031207, 08036602825 TOPIC: IF I COULD INVENT SOMETHING NEW

I would invent a bicycle generator. Firstly, a bicycle generator is a simple device that harnesses the mechanical energy produced by peddling a bicycle.System generates electricity when someone pedals the bicycle which allows them to charge their electronic device with the appropriate charger provided at the station. The generator is called a bicycle dynamo. Inside the dynamo a permanent magnet is rotated in the middle of some coils of wires that has the advantage that slip ring are not needed. The rotating magnet produces a charging magnetic field and this generates electricity in the coils of wire. The top at the dynamo is touched against the rim of the wire which rotates when the bicycle is moving. Sometimes I even ask myself how does a bicycle generator work and I know that when you pedal the bike, the action dricles a fly wheel which turns a generator an charges a battery.

ADVANTAGES OF BICYCLE GENERATOR

- Economical than fuel powered can and motorcycles
- You can adapt you traditional bike using a kit
- No contamination
- The electrical bike can be more comfortable
- It provides a slight impulse when you start off the ride uphill

DISADVANTAGES OF BICYCLE GENERATOR

- The autonomy of the lithium batteries
- Traditional bicycles are still the least
- Contaminating option
- Legal requirements
- Do not require a license or insurance

BENEFIT OF BICYCLE GENERATOR

- Cycling can help to protect you from serious disease such as stroke, heart attack, some cancer, diabetics and obesity
- Cycling is easy to fit in to your daily time by riding to the shop, park, school or work.
- It may help you lose weight,
- It lowers cholesterol
- It can offer a positive start to your morning

The part tools of bicycle generator

- 2"×4" wood
- Wrench
- U-belt
- Saw
- Diode
- Wood screw or prails
- Battery
- Hammer or screwdriver
- Invert
- Tape measure
- Wire
- Moto(12 vow higher)
- Perforated plumber steel

NOTE: The bicycle generator could be accomplished by skipping steps 5, 6, 7 and 8 to save money but connecting anything other than a halogens lamp directly to the motor is not recommended due to the verify voyages Step1: power point presentation Step2: obtain a bicycle and remove the back tire Step3: build a stand to elevate the bicycle the ground Step4: attach the drive back along the back nm Step5: attach the motor to the stand Step6: connect the battery to the divide Step7: place diode in series with the motor and battery Step8: connect the battery lead to the inverter Step9: plug the appliance if you choice into it inverter

USE OF BICYCLE GENARETOR

- 1: it can use to power our light
- 2: it can use to do sport activities
- 3: It can be a home, work, and school activities
- 4: it is an engineer product
- 5: it is meaningful invention
- 6: after using off the bicycle generator
- 7: very easy and fast