



NARNARAYAN SHASTRI INSTITUTE OF TECHNOLOGY MECHANICAL DEPARTMENT

"SOLAR ELECTRIC BICYCLE ”

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ABSTRACT :- A method of upgrades a conventional electric powered bicycle over to Solar-Powered Electrical Bicycle that is powered by an electric motor which gets its supply from photovoltaic (PV) panels. The PV panels must be mounted and installed at the electric bicycle without compromising riding comfortability. The method employs a small electric motor that are easily connected and separated for ease of transport. A solar collector is connected to the rechargeable batteries for collecting solar energy and converting such energy to electrical power that is delivered to the rechargeable batteries for recharging thereof. A rechargeable

battery is operable connected to DC motor for providing electrical power to drive the motor.

