

26.Fabrication Of Intelligent Car Roof Top Solar

Abstract:

Recently rapid population growth, high volume of energy demand and depletion of fossil fuels intend to search for an alternative energy source in automobile industry. An abundant source of renewable energy like solar energy is proved as a better option to meet such challenge. The vehicle leaves no emissions like conventional IC engines to control the greenhouse effect and other natural hazards. The design of the vehicle consists of PV cells, motors and other mechanism for both cost effectiveness and environment friendly to optimize the energy efficiency. The paper shows the design and analysis of a solar propelled vehicle and its performance test in terms of mileage, speed and emissions.