

STUDY AND IMPLEMENTATION OF GREEN POWER IN CAMPUS ENVIRONMENT

This project presents the design of an articulating panel for power conservation in an efficient manner. The implementation of this project is based on achievement of maximum solar energy used in domestic and industrial applications.

The project presented a modern way to conserve energy by using solar energy with solar panel. As we all know this system is an eco friendly system. At present, the world faces so many environmental problems due to the pollution made by the usage of some non renewable sources. One of the greatest advantages of solar energy of course is that there is no carbon dioxide, methane or other emissions that warm the atmosphere. Again, manufacturing and installation of solar appliances are necessarily accompanied by some of those emissions.

Our generation was the witness of many natural disasters due to high usage of non renewable sources. But still we are depending on the same. If we use solar energy conservation instead of all those, it limits such environmental problems.

The tracking improves the efficiency of the current system for solar energy conversion by about 17% which is a significant value when compared to the 30% efficiency of coal and 40% efficiency of fossil fuels.

Solar energy is not a finite resource as fossil fuels. While the sun is up there it constantly produces all the energy we can use. The demand of non renewable resources increase day by day and it results economic crisis to ordinary people. Comparatively solar energy is competing with fossil fuels as fossil fuel prices have raised steeply globally in the last few years.



**SOLAR PANEL DEVELOPED
UNDER VMKVEC – IEDC PROJECT**

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