One of the most important factors in a nation's development is energy availability. All the aspects of its economy are directly proportional to the energy resources. Oil is one of the most sought-after energy resources currently. Solar energy is one of the most important renewable sources of energy available to us. With oil deposits depleting and current global warming, there is an emphasis on using more and more renewable sources or clean energy. This has led to immense research on solar cells and how it could better be used to get maximum output. Storage of energy is another aspect that is studied most as this stored energy could be used as and when required. This study aims to study the factors that affect the performance of solar energy storage. This study will be conducted by identifying and analyzing different factors that influence the solar energy storage. The goal of this research is to find how quality has any effect on its efficiency and suggest better and innovative ways that could help energy storage in a positive way.

https://ucf.zoom.us/j/97150896990

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Approved for distribution by Ahmed Elshennawy, Committee Chair, on April 17, 2020.

The public is welcome to attend.