



School of Engineering & Technology
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A Project Report on

**SMART SOLAR BASED LOW COST WATER
FILTER FOR RURAL APPLICATION**

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ABSTRACT

The widespread contamination of water sources has made the selection of water filters a key factor and hence our aim is to provide an efficient water filter which provides maximum purification at minimum cost. The basic requirement of an efficient water filter is the purification of the water available for drinking and making it edible. This has to be done with minimum cost and less power consumption. The water filter design which we are about to discuss provides maximum efficiency of water purification and using Solar power to run the water filter along with cheap and easily accessible filtration materials.