

<b>GP1013</b>	<b>Electricity Generating Unit in Rural Area</b>		
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Electricity has invaded our lives and has become vital in almost all aspects of society today. But in rural area they are facing lot of problem based on electricity they are lighting the house, communication, so on. The purpose of this project was to design and carry out an Electricity Generating Unit for rural area.

The study of various electric generating resources in rural area based on electric generation, also we collect the data for present situation in rural area and understand the latest technology used in electric generation. A user study was conducted and user voice was converted into technical voice and QFD was prepared.

Four concept design of electric generation unit in rural were made and final concept was selected using weight ranking method. A detail design was made for the final design and it validated by technical people and professors. A working model of biogas electric generating unit was made for the validated design concept.



**Prototype of electric generating unit**