

# Design and Evaluation of Thermal Resistant Bricks

**Founder: Prashant Singh**

**Guided By: Dr. Jiten Shah (Dept. of Civil Engineering)**

## INTRODUCTION

Today world is facing challenge of energy crisis and it tends to the higher consumption of air-conditioning system that increases the effect of global warming. The prospect of decreasing fossil fuels and increasing environmental problems, such as global warming, that derive from fossil fuel consumption, have heightened demand for renewable energy sources to ensure high quality of life and the well-being of future generations.

Brick is one of the construction materials units. Hence, the project is mainly focused to design brick that can resist heat caused by sunlight and reduce the room temperature up to 15 degree Celsius. For the design of “**Heat Resistant Brick**” some natural materials with waste materials such as coir fibre, thermocol, waste plastics and other material can be introduced. The kind of bricks will be economic, eco-friendly and will be one of the solution for disposing of the waste.

Mainly, the project is dedicated to LIGs of society and the poor who are unable to have air conditioners, and at the same time reducing the environment degradation as these air conditioning systems emits greenhouse gases which in turn causes global warming.

# Design and Evaluation of Thermal Resistant Bricks

## PRODUCT IMAGES



## GROUP MEMBERS



**PRASHANT SINGH**



**KISHAN PATEL**



**DHRUV KANADA**