Make the community acknowledge the problem of Indoor air pollution.

Introduce and encourage better cooking practices such as wearing facemasks and using dry fire wood.

Facilitate the acceptance of heat retention boxes.

The Problem
Indoor Air Pollution (IAP) is the accumulation of toxic gases within households. The underlying cause of IAP is Energy Poverty: lack of accessibility and affordability of better forms of energy. About 3 billion people worldwide burn biomass inefficiently causing emission of smoke in their homes. Thus, this practice has been integrated into their customs and traditions.[8]

Project Goal
People in Orissa are energy poor and under the poverty line. Thus, our aim is to find an affordable, accessible, and culturally sensitive technique to reduce the negative health, social, environmental impacts of indoor air pollution.

Recommendation
Awareness Campaign + HRB

Evaluation of Cooking Methods

<table>
<thead>
<tr>
<th>Evaluating Factors</th>
<th>Traditional Technique</th>
<th>Recommended Technique</th>
</tr>
</thead>
<tbody>
<tr>
<td>Time cooked on fire</td>
<td><img src="/images/speaker_icon.png" alt="Speaker" /></td>
<td><img src="/images/clock_icon.png" alt="Clock" /></td>
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<tr>
<td>Smoke emitted</td>
<td><img src="/images/smoke_icon.png" alt="Smoke" /></td>
<td><img src="/images/smoke_icon.png" alt="Smoke" /></td>
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<tr>
<td>Firewood</td>
<td><img src="/images/firewood_icon.png" alt="Firewood" /></td>
<td><img src="/images/firewood_icon.png" alt="Firewood" /></td>
</tr>
</tbody>
</table>

Progress
1. Problem Globally → Problem in Orissa
2. Analyzed Solar stoves awareness campaign, Improved Cooking Stoves and heat retention box (HRB) → Recommended HRB and awareness campaign

Abstract
Globally, about 4.3 million people die each year due to exposure to indoor air pollution (IAP). The major cause of this problem is burning biomass inefficiently indoors mainly for cooking purposes. Our project focused on finding an alternative cooking method that is affordable, available and culturally sensitive to the people in rural Orissa, India. After analyzing each aspect we recommend an awareness campaign and the use of heat retention boxes that reduce the time of smoke exposure.[8]