

Grindstone and electric grinder

T. John Institute of Technology and 2nd Sem

PROBLEM STATEMENT

How efficiently can we use energy

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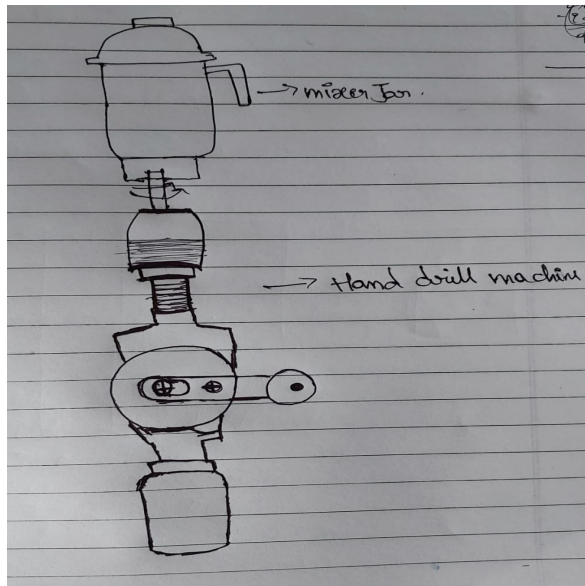
INTRODUCTION

In the serene landscapes of rural areas, where the tranquillity of nature meets the resilience of human spirit, a fundamental challenge persists - the limited supply of electricity. This scarcity casts a shadow on the aspirations of the community, particularly in the context of daily sustenance. In these regions, a significant portion of the daily routine revolves around the essential task of grinding grains and food items. However, the absence of a reliable power source hampers the ability of the people to access basic necessities, leading to concerns of food security and livelihood.

Traditionally, the grinding process has been performed using manual labour, often relying on the laborious technique of grindstones. While these traditional methods connect communities with their heritage, they also present a paradox.

In response to this challenge, we embarked on a journey of innovation and ingenuity. We envisioned a solution that would harness the boundless energy of human endeavor and channel it into a transformative force. Our prototype stands as a testament to the harmonious coexistence of human potential and technological advancement. By ingeniously integrating a cycle pedal mechanism, we have engineered a sustainable and self-reliant solution. This innovation empowers individuals in rural areas to grind essential food items with the sheer force of their own energy and determination.

Through this pioneering prototype, we aspire to usher in a new era of empowerment for rural communities. By offering a dependable and efficient means of grinding, we aim to liberate individuals from the constraints of time and labor. This liberation, we believe, will not only elevate their access to sustenance but also unlock newfound opportunities for growth, education, and prosperity.



IDEA GENERATION

As people in rural areas lack supply of electricity, they are unable to grind essential daily waxes for food.

Even after having grindstone, this takes a lot of time to grind the waxes

To overcome this problem we have built a prototype using cycle pedal, which use human energy to grind the things.



Disclaimer:

Video was filmed during early sampling/testing phase and isn't fully indicative of current Prototype.



