



**INSTITUTION'S INNOVATION COUNCIL**  
**MOE'S INNOVATION CELL**



**Institute Name:**

GOVERNMENT COLLEGE, ROPAR

**Title of the Innovation/Prototype:**

1. Converting waste matter into a useful biomass pellet, 2. Used as a replacement fuel and reduces electricity problems.

**Team Lead Name:**

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**Team Lead Gender:**

Male

**FY of Development:**

2021-22

**Developed as part of:**

Independent Assignment/Non-academic Study Project

**Innovation Type:**

Process

**TRL LEVEL:**

1

**Theme:**

Waste Management/Waste to Wealth Creation,

**Define the problem and its relevance to today's market / society / industry need:**

**Title:** Suggest an innovative technical approach to address the air pollution and stubble burning Lots of waste is generated by our college and trees and plants in our locality

**Describe the Solution / Proposed / Developed:**

here: 1. Converting waste matter into a useful biomass pellet, 2. Used as a replacement fuel and reduces electricity problems. 3. Low cost of Manufacturing and providing infinite Benefits Google Pay 2/4 Google Pay 4.3 FREE Describe your Technology stack here: 1. Biodigestion 2. Direct Combustion. 3. Grinding 4. Hammering apparatus 5. Pyrolysis

**Explain the uniqueness and distinctive features of the (product / process / service) solution:**

It can implemented and provide many problems solution we can link to Village for like animal waste and other things

**How your proposed / developed (product / process / service) solution is different from similiar kind of product by the competitors if any:**

reduces air pollution 2. Best out of waste 3. Give source of income to village people paid for giving dry leaves and dung 4. Very good performance of pellets decrease use of fuels 5. Revenue can be generated from waste 6. Permanent solution to green waste 7. Sustainable use of resources Describe your Dependencies / Show stopper 1. Storage chamber will be required with low moisture exposure 2. Large amount of dry leaves is required 3. Routine monitoring for biomass plant. 4. Machine

**Is there any IP or Patentable Component associated with the Solution?:**

No

**Has the Solution Received any Innovation Grant/Seefund Support?:**

No

**Are there any Recognitions (National/International) Obtained by the Solution?:**

No

**\*Is the Solution Commercialized either through Technology Transfer or Enterprise Development/Startup?:**

No

**Had the Solution Received any Pre-Incubation/Incubation Support?:**

No

**Video URL:**

null

**Downloaded on:**

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