

Innovations & Research



RKDF University

Airport Bypass Road Gandhi Nagar,

Bhopal, M.P.



RKDF University, Bypass Road, Gandhi Bhopal

Innovations at RKDF University, Bhopal

- The objective is to stimulate the innovation associated start-ups in the area and have engaged the local industries.
- A strong [research & innovation based ecosystem](#) to innovate, ideate and design solutions.

Goals

- To incubate the novel ideas and technology.
- To increase the rate of new business start-up activities.
- To foster entrepreneurship and enhance the success of new and existing small businesses supporting energy and clean-tech sectors.

Deliverables

- Incubation of technology.
- Establishment of new start-ups.
- Improved sustainability of the recently formed business.
- Creation of medium-to-high wage jobs and raise incomes in all segments of society.

Asia's I & World's III Solar Integrated



Patents	24
Functional MoUs	15
Student Out-reach Programs in 5 selected villages	187
Social Responsibility Programs	67
Total university Campus	107 Acres

Solar trees for rural



Work mentioned in MNRE Report to NITI AAYOG

2021-22

2016-17

Project 3: The Ministry has sanctioned an MNRE assisted Development in Bhopal for the development of Solar Street Lighting (SSL) in Bhopal. The project is aimed at providing a reliable, low-cost and green power and lighting solution to the urban and rural areas of Bhopal. The project is aimed at providing a reliable, low-cost and green power and lighting solution to the urban and rural areas of Bhopal. The project is aimed at providing a reliable, low-cost and green power and lighting solution to the urban and rural areas of Bhopal.



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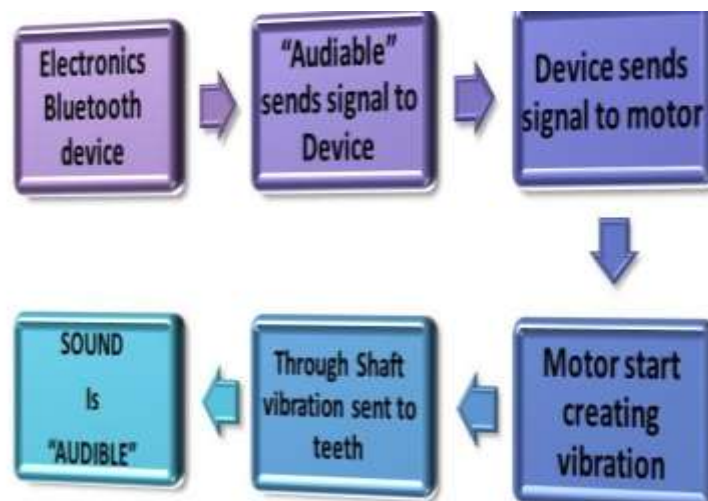


Collaboration

1. Hearing device for deaf

The team of RKDF University, Bhopal's students & faculty has developed a novel device, which can help the deaf persons to hear and get connected with the outside world. The device is named as Audible and is commonly known as Dental device as it help us to listen through teeth. Deaf Person can connect the device and hear through teeth with the help of generated vibrations. The tooth is used as a hearing sense organ because teeth is one of the most sensitive part of the body which causes more sensation as compare to other organs. This help to transverse vibration by from teeth to brain easily, bypassing the internal ear. These vibrations are sensed by the teeth & transvers to the brain.

Basic outlay of the device





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Awards received for the inventions





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Developed model (at present)



Work in progress (Funds Required)

- To further reduce the size of the device so that it can be comfortably used.
- Research for making it commercially viable.



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Solar Chulha

Technology/Process Solution

Existing Problem:

- Rural population mainly relies on natural resources such as wood, coal etc. which causes air Pollution & associated health issues mostly in women.

Proposed Solution:

- A 24 x 7 thermal storage system using especially designed nano material that retains heat, and is an energy efficient product.

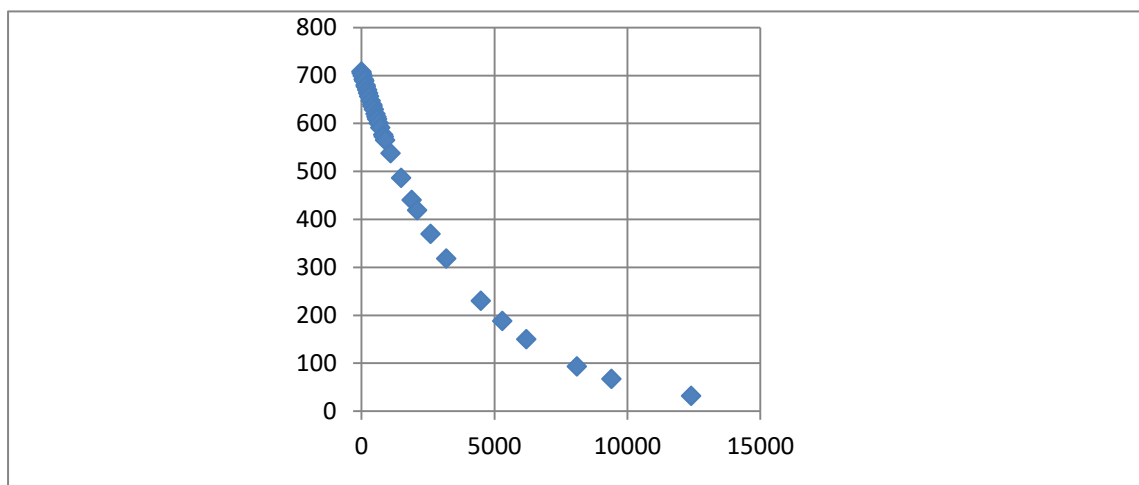
Technology/Process:

- The Innovation & Novelty lies in the Thermal Storage design of high Energy density and the heat exchanger design so as to give sustained Power on 24 hr. basis .





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Work in progress