

**e-Content Development
&
Three day workshop on
Making of Appropriate Cooking device
for Rural India**

December 12-14, 2017

Introduction & Objective

It is found that about half the world's population, more than 3 billion people cook over an open biomass fire. This energy source is especially prevalent in rural areas of developing countries, where an estimated 90% of households rely on biomass fuels for cooking. The use of LPG as a source of fuel is also common both in the urban and in the rural areas, particularly in places where its supply is readily accessible. Combustion of solid biomass fuel is especially prone to incomplete combustion, often resulting in harmful emissions. These emissions, when combined with poor ventilation, often lead to poor indoor air quality and a number of adverse health effects. Over 1.6 million deaths a year are attributed to poor indoor air quality as a result of domestic biomass combustion products.

A Three days workshop on Making of Appropriate Cooking Devices for Rural India is being organized by the Teaching-Learning Cell of Indian Institute of Technology (Banaras Hindu University) during December 12-14, 2017. It is an interactive and participatory workshop/ course aimed at large-scale participation of faculty from Engineering Colleges, students of IIT (BHU) and KV BHU and CHS BHU.

Main emphasize would be given to present the application for utilizing different cooking devices for Students and Indian villagers through awareness program.

Topics

- Introduction to **various cooking devices** & utilization
- Thermal aspects and Performance of Cook Stoves
- State of Art on Designing the Cooking device and its Applications
- Manufacturing of Cooking Devices
- Lab on fabrication of Cooking Devices

Who should attend?

- Students of IIT (BHU), faculty members from engineering colleges and scientist/staff from R&D
- Villagers and Farmers near Varanasi

Call for Registration

Participants willing to attend the workshop are requested to submit the completed registration form on Google form: through



PATRON

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**REGISTRATION FORM
e-Content Development
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1. Name

2. a) Age b) Sex: M/F

3. Present Position

4. Address for correspondence
.....
.....

E-mail:.....

Phone/Mobile.....

5. Area(s) of interest

6.a) Date and Time of arrival
.....

b) Date and Time of departure
.....

Date.....

Place

Signature of the Applicant

The Speakers

- Prof. S K Shukla, Dept of Mech. Engg, IIT (BHU)
- Dr. J V Tirkey, Dept of Mech. Engg, IIT (BHU)
- Dr. Preetam Singh, Dept of Ceramic Engg., IIT(BHU)

Coordinators

Prof. S.K. Shukla

Department of Mechanical Engineering, IIT(BHU),
Varanasi- 221005

Dr. J.V. Tirkey

Department of Mechanical Engineering, IIT(BHU),
Varanasi- 221005

About the City

The holy city Varanasi is the oldest living city in the world which is also known as the capital of the spiritualistic world. It is a place of great historical and cultural importance. This religious capital of India is situated on the bank of the holy river Ganges and is famous for temples of Lord Shiva, Buddha (at Sarnath) and Sankat Mochan etc. Varanasi is the premiere most place of oriental learning also. Simultaneously it is keeping pace with modern advanced knowledge. The city is reputed for silk fabrics, perfumes, artistic brass and copper wares and a variety of handicrafts. This vibrant city with multiple dimensions of knowledge and liberation has a magnetic attraction for people all over the world.

Day 1: program (9AM to 5 PM)

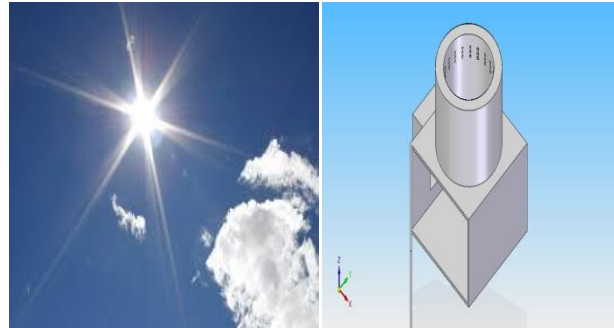
- Inaugural
- Lectures 1-5 on various aspects of topics
- Lunch, tea etc.

Day 2: program

- Hands on Fabrication workshop of cooking devices - full day (9 AM to 5 PM)

Day3: program

- Selecting Best cooking device and announcing the prizes
- Closure of the workshop



Dead Line

Last date of receipt of registration form : 20.11.2017

Registration Fee

The registration fee is ₹ 1000 to attend this workshop. However there is no registration fee for students from IIT (BHU) & BHU and villagers/farmers nearby Varanasi. Limited seats are available on first come first serve basis. However, total no. of available seats are limited to 50 only.

Venue : ABLT - 1, Teacher Learning Cell, Indian Institute of Technology (BHU), Varanasi - 221005

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December 12-14, 2017



Organised by

**Department of Mechanical Engineering
Indian Institute of Technology
(Banaras Hindu University)
&
Teaching-Learning Cell
Indian Institute of Technology
(Banaras Hindu University)
Varanasi-221005**