

## SPONSORSHIP

Prof./Dr./Mr./ Mrs./-----  
is an employee of our institute and his/her application is hereby sponsored. The applicant will be permitted to attend the DST sponsored National Seminar on **“LOW AND MEDIUM TEMPERATURE WASTE HEAT RECOVERY IN PROCESS HEAT APPLICATIONS”** will be held at **Shri Mata Vaishno Devi University, Kakryal. Katra-182 320, (J&K)** during 6<sup>th</sup> and 7<sup>th</sup> Feb. 2025, if selected.

Date: Signature of sponsoring Authority  
Designation: Official Seal:

For applicants from Industries /Govt Organizations:

DD No.  
Date: Bank:  
Amount:

Signature of the applicant

## CORRESPONDENCE ADDRESS

Dr. M. Eswaramoorthy & Dr. Rajiv Kumar  
School of Mechanical Engineering  
Shri Mata Vaishno Devi University (SMVDU)  
Kakryal. Katra-182 320, (J&K)  
Email:m.eswaramoorthy@smvdu.ac.in  
Mobile:07889963557

## IMPORTANT DATES:

Last date of receipt of applications: 30-01-2025  
Intimation of selection by e-mail: 02-02-2025  
WS Duration: 6<sup>th</sup> -7<sup>th</sup> Feb. 2025

## PATRON

Prof Dr Paragati Kumar Vice Chancellor, SMVDU  
Prof K R Jha, Dean FoE

## CHAIRMAN

Dr Yathesth Ananad Head SoME

## CONVENOR

Dr.M. Eswaramoorthy, SoME, SMVDU  
Dr. Rajiv Kumar , SoME, SMVDU

## HOW TO APPLY:

No registration fee for participant from AICTE Approved Institute. The workshop is open to faculties and researchers. The interested participants are requested to complete the registration <https://tinyurl.com/lmtph2025> before last date

## TRAVEL SUPPORT:

Limited Participants will be provided Travel Support

## BOARDING AND LODGING

Boarding and lodging will be arranged on guest house and cost will be borne by the participants.

## ANNOUNCEMENT

## NATIONAL WORKSHOP ON

## “LOW AND MEDIUM TEMPERATURE WASTE HEAT RECOVERY IN PROCESS HEAT APPLICATIONS”

6<sup>th</sup> -7<sup>th</sup> Feb., 2025

## SPONSORED BY



ANUSANDHAN NATIONAL RESEARCH  
FOUNDATION  
GOVERNMENT OF INDIA

## ORGANISED BY



SCHOOL OF MECHANICAL  
ENGINEERING  
SHRI MATA VAISHNO DEVI UNIVERSITY  
KAKRYAL. KATRA-182 320, (J&K)  
[www.smvdu.ac.in](http://www.smvdu.ac.in)

## SCOPE AND OBJECTIVES

Modern society energy and environmental problems have motivated the continuous development of alternative energies and innovative technologies, but also the improvement of power plants, new fuels and more efficient technologies for burning hydrocarbon fuels. About 75% fuels energy rejected into environment and ultimately become wasted in automotive vehicles. Most fuel heating facilities release a huge amount of waste heat in the form of exhaust flue gases. The residual heat is very large part of the total heat input, about 55% of the total heat content of the burned fuels. The potential for recovery is very high but large-scale commercial acceptance still requires research and development efforts.

The advances in materials with good thermal characterization are identified by academic researchers by multidirectional approach. It will be promising options to improve performance of clean energy systems and helps to improve national energy economy. There are many scopes on advanced materials and clean energy conversion technologies for further research and development work. Hence, a workshop is proposed to address key scientific challenges in the field of advanced material for energy storage and clean energy conversion technologies which are relevant to the development cost effective clean energy conversion systems.

The workshop is intended to expose and better learning the participants to the state-of-the-art concept in advances in waste heat recovery at low and medium temperature applications in process heat industrial process and clean energy conversion technologies.

### THE CONTENTS

The topics will include

- Low and Medium Temperature Waste Heat Technologies
- Biomass stove thermoelectric systems

- Two stage heat recovery with thermoelectric system
- Solar Thermoelectric Heat Recovery System
- Application of nanotechnology in energy storage materials for heat recovery applications
- Research Issues on Waste heat recovery system.

### ABOUT THE UNIVERSITY

Shri Mata Vaishno Devi University (SMVDU) has been established by an Act of J&K State Legislature as an autonomous, highly technical and fully residential University. The University is recognized under section 2(f) and 12(B) of University Grants Commission Act 1956. The University provides technical education in the field of Engineering, Science, Management, Philosophy, and other subjects of contemporary importance. The University campus is self-contained with most facilities available in-house. SMVDU is located at 40 Kms from Jammu which is well connected by Air and Train from most of the major cities of the country. It takes 1 hour by road to reach the University campus from Jammu. Katra is at a distance of 12 kms from the campus which is well connected by Train and Bus. It takes 20 minutes by road to reach the University campus from Katra. Jammu Airport Code: IXJ, Jammu Railway station code: JAT, Katra Railway station code: SVDK

### TARGET AUDIENCE

Teachers, Researchers and Students from Academic, Industry and researcher from R&D sector.

### RESOURCE PERSONS::

Experts from IIT's, NIT's and other reputed intuitions and industries will handle the sessions.

### COURSE MATERIAL:

Each registered participant will be provided with a set of comprehensive lecture notes.

## NATIONAL WORKSHOP ON “LOW AND MEDIUM TEMPERATURE WASTE HEAT RECOVERY IN PROCESS HEAT APPLICATIONS”

6th -7th Feb., 2025

### REGISTRATION FORM

1. Name (in block letters):

2. Designation:

4. Organization:

5. Date of birth:

6. Address for communication:

Pin:

Phone: Fax: Email:

7. Academic qualification:

8. Specialization:

9. Experience (in years):

11. Preferred accommodation:  
(Hostel/Guest House/Hotel)

12. Gender:

Place:

| Signature of the applicant

Date: