

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 ANRF sponsored National Workshop on **“Future Trends in Low- and Medium-Temperature Waste Heat Utilization for Industrial Sustainability”** will be held at **Shri Mata Vaishno Devi University, Kakryal. Katra-182 320, (J&K)** during **22nd and 23rd October, 2026**, 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)
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IMPORTANT DATES:

Last date of receipt of applications: 30-09-2026
Intimation of selection by e-mail: 02-10-2026
WS Duration: **22nd and 23rd October 2026**

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

Co-CONVENOR

Lt. Dr. Varun Dutta SoME, SMVDU
Dr Pradeep Singh 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/anrf-workshop-2026> before last date

TRAVEL SUPPORT:

Limited travel support will be provided to selected participants as per ANRF norms.

BOARDING AND LODGING

Boarding and lodging will be arranged in the university guest house subject to availability. Except working lunch and refreshments, the other expenses shall be borne by the participants.

ANNOUNCEMENT

NATIONAL WORKSHOP ON

“FUTURE TRENDS IN LOW- AND MEDIUM-TEMPERATURE WASTE HEAT UTILIZATION FOR INDUSTRIAL SUSTAINABILITY”

22nd and 23rd October, 2026

SPONSORED BY *



Anusandhan
National
Research
Foundation

**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

SCOPE AND OBJECTIVES

The proposed two-day DST-ANRF workshop on “Future Trends in Low- and Medium-Temperature Waste Heat Utilization for Industrial Sustainability” aims to provide a comprehensive platform for researchers, academicians, industry professionals, policymakers, and students to deliberate on emerging technologies and innovative strategies for efficient utilization of low- and medium-grade waste heat generated in industrial processes. The workshop will focus on sustainable thermal energy management approaches that enhance industrial energy efficiency, reduce carbon emissions, and support India’s transition toward net-zero energy systems.

The workshop will cover advanced waste heat recovery technologies including thermoelectric systems, Organic Rankine Cycles (ORC), heat pumps, thermal energy storage, heat exchangers, phase change materials, and hybrid energy recovery systems. Special emphasis will be given to process integration, AI-enabled thermal management, digital monitoring, smart manufacturing, and circular energy concepts for sustainable industries.

The event will also address techno-economic analysis, policy frameworks, industrial case studies, and commercialization challenges associated with waste heat recovery systems in sectors such as steel, cement, chemical, textile, food processing, glass, and power industries. Through keynote lectures, technical sessions, expert panel discussions, and interactive sessions, the workshop will foster interdisciplinary collaborations and promote innovative research directions aligned with national energy and sustainability goals.

THE CONTENTS

The workshop topics include

- low- and medium-temperature waste heat recovery technologies and their role in industrial sustainability.

- Research trends and innovations in thermal energy recovery, utilization, storage, and process integration.
- Advanced technologies such as thermoelectric generators, Organic Rankine Cycles, heat pumps, thermal storage systems, and AI-assisted energy management approaches.
- Energy-efficient and low-carbon industrial practices for achieving sustainable development and net-zero emission targets.

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, students from academia, industry, and R&D organizations.

RESOURCE PERSONS:

Experts from IITs, NITs and other reputed institutions and industries will handle the sessions.

COURSE MATERIAL:

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

ANRF SPONSORED NATIONAL WORKSHOP ON

“FUTURE TRENDS IN LOW- AND MEDIUM-TEMPERATURE WASTE HEAT UTILIZATION FOR INDUSTRIAL SUSTAINABILITY”

22nd and 23rd October 2026

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:

Date:

| Signature of the applicant