

MECHANICAL ENGINEERING DEPARTMENT

October 07, 2024

ADVERTISEMENT FOR JUNIOR RESEARCH FELLOW

Project Title: Enhancing Energy Efficiency in Industrial Facilities through Advanced Waste Heat Recovery Strategies

Position: Junior Research Fellow (JRF)

Duration: 2 (months) + 5 (months extendable as per project requirement)

Stipend: Consolidated Rs 37,000 per month

- **About the project:** The project focuses on optimizing energy use in industrial plants by capturing and reusing waste heat. By implementing innovative heat recovery technologies, the project aims to reduce energy consumption, lower operational costs, and improve overall sustainability. This will include the design of heat exchangers and advanced thermal systems to convert waste heat into usable energy, significantly enhancing energy efficiency.

Qualifications:

Essential: M.E./M. Tech. in Mechanical Engineering / Design Engineering / CAD/CAM Engineering / Production Engineering or relevant Discipline.

Desirable: The candidate should possess a good knowledge of Thermodynamics, Thermal Engineering, CAD/CAM software, Report writing and additionally, candidates with good exposure to manufacturing field, practical experience in waste heat recovery technologies and industrial process optimization are encouraged to apply.

Last date of application: **14th October, 2024**

How to Apply:

1. Interested candidates are requested to submit a detailed CV to through email (with the subject as "Project Vacancy to Waste Heat Recovery Project") to the PI (rohit.kumar@thapar.edu) before the last date.
2. Shortlisted candidates will be intimated for the online interview by email only.
3. The candidate selected for the above positions may also get enrolled for Ph.D. degree simultaneously as per the Institute norms.
4. In case of any query related to above project, kindly email to Dr. Rohit Kumar Singla.

Dr. Rohit Kumar Singla
Mechanical Engineering
Thapar Institute of Engineering and
Technology, Patiala
Email: rohit.kumar@thapar.edu

Dr. Kishore Khanna
Mechanical Engineering
Thapar Institute of Engineering and
Technology, Patiala
Email: kishore.khanna@thapar.edu