



राष्ट्रीय प्रौद्योगिकी संस्थान दुर्गापुर  
NATIONAL INSTITUTE OF TECHNOLOGY DURGAPUR

महात्मा गान्धी एभिनिड, दुर्गापुर - 713209, भारत  
MAHATMA GANDHI AVENUE, DURGAPUR - 713209, INDIA

यांत्रिक अभियांत्रिकी विभाग

MECHANICAL ENGINEERING DEPARTMENT

Advt. No.: NITD/ME/DST-SERB-IRTT/2/2020/1

Date: 07<sup>th</sup> July, 2020

**ADVERTISEMENT TO FILL UP PROJECT POSITION\***

Applications are invited from Indian nationals only for project position as per the details given below for the research project under Principal investigator (**Dr Apurba Layek**).

1. Title of the project: Investigation of Thermo-hydraulic Performance of Artificially Roughened Solar Air Heater Using **Infrared (IR) Thermography** Technique
2. Sponsor of the project: SERB, DST
3. Project position and number: JRF/SRF, **01**
4. Qualifications: M.E./M. Tech, Mechanical Engineering specialization in **Thermal Engg.** or Equivalent, (preference will be given to IITs/ NITs/ CFTI graduates with NET/GATE qualified.
5. Fellowship: 31,000/- + HRA (as per rule)
6. Duration: Up to the completion of the project.
7. Job description: Experimental and computational research support for the project

- i. Candidates before appearing for the interview shall ensure that they are eligible for the position they intend to apply.
- ii. Candidates desiring to appear for the interview should submit their applications with the following documents to the office of Principal Investigator through e-mail or by post.
  - Application in a plain paper with detailed CV including chronological discipline of degree/certificates obtained.
  - Experience including research, industrial field and others.
  - Attested copies of degree/ certificate and experience certificate.
- iii. Candidates shall bring along with them the original degree(s) /certificate(s) and experience certificate(s) at the time of interview for verification.
- iv. Preferences will be given to SC/ST candidates on equal qualification and experience.
- v. Please note that no TA/DA is admissible for attending the interview.
- vi. Preference will be given to the candidate with prior experience in the heat transfer research, experiments and numerical analysis. Knowledge of ANSYS, MATLAB and numerical tools are essentially required. Familiarity with **IR thermography and image handling** is preferable.
- vii. Preference will be given to the candidates with good subject background. Strong commitment to the project is desired.

The last **date for application** to be submitted to the office of Principal Investigator (by email) is **27-07-2020**.

Tel: 0343-2755278(O)/ 09434788058(M)

Fax:03432543447

E-mail: apurba.layek@me.nitdgp.ac.in

**Note: The selected candidate(s) may get an opportunity for admission to the PhD program.**

**Dr Apurba Layek**  
(Principal Investigator)

\* To be uploaded on NIT Durgapur website and copy may be sent to appropriate address by PI for wider circulation

## FORMAT FOR APPLICATION

Name (in Capital letters):

Father's Name:

Date of Birth:

Address (including mobile & email ID):

Paste a recent  
passport size  
photograph here

Qualifications: in (subject), Board/ University, specialization, percentage, year of passing

Any National level examination (NET/GATE or any others): subject, marks/percentage/percentile, year of passing

Awards (if any):

Research experience (if any):

Publication (if any):

Full signature of the candidate