**ADVERTISEMENT NO: R&D/1094/DTC/393 DATED: 12.07.2024**

Project No. R&D/SP/ME/DTC/2024-25/1094

Applications are invited in the prescribed format only for the following assignment in a purely time bound research project undertaken in this institute.

1. (a) Name of the temporary assignment : Research Associate – I (RA-I)

(b) Number of Post : 01 (one)

(c) Duration of the Post : 2 years (extendable up to 3rd year as RA-II)

2. Name of the temporary research project : DEVELOPMENT OF THERMALLY CONTROLLED MODULES OF OPTRONIC PAYLOADS FOR STRATOSPHERIC OPERATION

3. Name of the sponsoring Agency : IRDE, DRDO

4. Consolidated Fellowship/Salary : Rs 58000 per month + HRA (as per GoI rules)

5. Qualifications & Experience : Ph.D. (Mechanical and Chemical, or equivalent) with prior research experience in the broad area of physical sciences as evidenced through quality journal publications, patents, and technology development.

or

M.Tech. (Mechanical, Thermal, Manufacturing, Mechatronics, Chemical, or equivalent) with 3 years’ experience in an area relevant to the project needs. The candidate should have demonstrated research interest through quality journal publications, patents, and technology development.

The upper age limit for applying for the RA-1 position shall be as per government agency norms. Relaxation in experience and age is permissible only for suitable candidates with higher qualification. Candidates with relevant work and/or prior research experience in the fields of computational and experimental heat transfer. Expertise in designing and fabricating experimental test rigs and setups is desired.

**6. Description of the ONLINE MODE of the selection process:**

**Application procedure:**

1. Candidates interested in this position and satisfying the qualification criteria with experience in the relevant field of research should write an email to the project investigator Dr. Rishi Raj, Department of Mechanical Engineering, IIT Patna (Email IDs: **rraj<at>iitp.ac.in, aashwani<at>iitp.ac.in,** and **rraj.iitp<at>gmail.com**).
2. The **subject of the email** should read as “*RA-1 Position DTC-1094*”. The last date for receiving this email is **30th July 2024**.
3. The email MUST include the **scanned/pdf copy of duly filled application form** (see attached word document) with applicant’s signature.
4. The email MUST include self-attested scanned **pdf copy of all supporting documents** (degree certificates, mark-sheets, GATE scorecard, SOP, and category certificate, if applicable).
5. Copy of all Scopus indexed **journal papers** should be attached with the email.
6. The application MUST additionally include a **500-word statement of purpose (SOP)** stressing relevant experience in the area of the project. This document should elaborate on your interest in the broad area of this project and any relevant prior experience/skills which would help you in solving the assigned research problem.
7. **Two recommendations letters** (one must be from the PhD supervisor for candidates with PhD as the highest degree) should be sent to the above stated email addresses by the application deadline date of **30th July 2024.**
8. The application should also include a brief **Academic CV** not exceeding two pages.

This project is a highly specialized, time bound, and target orientated. The qualification and experience given above in this advertisement are at the minimum requirement level and do not guarantee interview call if other candidates with higher qualification and/or experience desirable and commensurate with project objectives are available. Further, IIT Patna reserves the right to not shortlist any candidate in case the application email does not contain complete information backed up by supporting documents as listed above. All candidates who apply via email by **30th July 2024** (deadline) and are shortlisted will be informed regarding the further details by **3rd August 2024**. The date of online interview will be announced and informed to the shortlisted candidates in due course of time.

1. **About the Project:**

Applicants may also contact Dr. Rishi Raj and Dr. Ashwani Assam and visit [www.iitp.ac.in/~rraj](http://www.iitp.ac.in/~rraj) and <https://www.iitp.ac.in/~aashwani/> for further details on the research at IITP.

**Deputy Registrar**

Copy to:

1. Associate Dean, R&D, IIT Patna
2. Advertisement file
3. Project file

**PROJECT CODE: DTC-1094**

**ADVERTISEMENT NO: R&D/1094/DTC/393 DATED: 12.07.2024**

**FORMAT OF APPLICATION FOR RA-I in the Department of Mechanical Engineering at IIT Patna**

| **Name & Address**  **Including email id and**  **Phone no.**  **(for Correspondence)** | | **Category**  (GEN/OBC/SC/ST/PD) | **DOB**  dd/ mm/yy | **Professional Exam. (GATE/CSIR-NET, etc) & Validity** | |
| --- | --- | --- | --- | --- | --- |
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| **NAME IN CAPITAL**  Address:  Phone:  Email: | |  |  |  | |
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|
| **Educational Qualification** | | | | | |
| **Institute/ Board** | **Exam Passed** | | **Year of Passing** | | **% of Marks/CPI** |
|  | 10th Class | |  | |  |
|  | 12th Class | |  | |  |
|  | Bachelors (B.Tech/B.E.)  or equivalent | |  | |  |
|  | Masters (M.Tech/M.E)  or equivalent | |  | |  |
|  | Ph.D. | |  | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | **Qualifying degree** | **Degree/ major/Specialization** | | (B.Tech/B.E.) |  | | (M.Tech/M.E) |  | | Ph.D. |  | | Others |  | |  |

Include the list of attachments (as per advertisement) submitted along with this form below:

1.

2.

3.

4.

5.

Declaration: I hereby certify that all information provided herein is accurate and supported by original documents. I acknowledge that I have uploaded all required documents including the SOP as specified in the advertisement form. In the event of any missing or incorrect information, I acknowledge that IIT Patna reserves the right to exclude my application from further consideration without any notification. It is my responsibility to ensure the completeness and accuracy of the information provided.

Signature of applicant

Date:

Place: