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Advertisement for Project Associate Position

Computational Alloy Design (ANRF-ARG Project), IIT Indore

Applications are invited from motivated and eligible candidates for the position of **Project Associate** in a research project funded by the **ANRF** under the Advanced Research Grant (ARG) scheme, Government of India.

Project Title

Computational Exploration and Design of BCC + B2 Superalloys

Principal Investigator

Dr. Venkata Vamsi Koruprolu
Department of MEMS, IIT Indore

Location

IIT Indore, Madhya Pradesh

Position Details

- Position: Project Associate
- Number of Posts: 01
- Duration: Initially for one year; extendable based on performance and project requirements
- Fellowship: As per ANRF norms
- Accommodation: Institute hostel may be provided subject to availability; otherwise HRA will be applicable

Project Description

High-temperature materials demand improved phase stability and mechanical performance. This project employs CALPHAD and density functional theory (DFT) to study phase stability, defect energetics, and deformation behavior, complemented by experimental validation.

Eligibility Criteria

Essential

- Master's degree (M.Tech./M.E./M.S. or equivalent) in Metallurgical Engineering / Materials Science and Engineering / Metallurgical and Materials Engineering with qualifications as per ANRF norms.
- OR Bachelor's degree (B.Tech./B.E. or equivalent) in relevant engineering disciplines with qualifications as per ANRF norms.
- OR M.Sc. in Materials Science / Physics / Nanoscience and Technology with qualifications as per ANRF norms.

Desirable

- Background in physical metallurgy and thermodynamics

- Understanding of microstructure–property relationships
- Experience in characterization/mechanical testing (preferred)
- Familiarity with Python and Ubuntu/Linux environment

Research Opportunity

The selected candidate may have the opportunity to pursue PhD admission at IIT Indore through the regular institute selection process, subject to eligibility and institute norms.

Application Process

- Interested candidates should email a single PDF file to: kvvamsi@iiti.ac.in
- Subject line: Application for the position of Project Associate (ANRF-ARG project)
- Deadline: **June 4th, 2026**

Documents

1. Curriculum Vitae
2. Statement of Purpose
3. Degree certificates and mark sheets
4. Qualification certificates (if applicable)
5. Publications (if any)

Selection Process

- Shortlisting will be based on qualifications, experience, and project requirements
- Only shortlisted candidates will be contacted for interview
- The interview may be conducted online/offline as decided by the selection committee

Note: The position is purely temporary and co-terminus with the project. Appointment will be governed by ANRF and IIT Indore norms. Mere fulfillment of minimum qualifications does not guarantee shortlisting or selection.

*Join the **VAMSI Research Group**
to design next-generation high-temperature alloys*