

Applications Invited for Post-Doctoral Research Fellowship at IIT Hyderabad

Position – Post-Doctoral Research Fellow (ChE/Coal beneficiation) under CLEANZ CoE

Project Focus: Multi-phase Modelling of Particulate Systems in Coal Preparation

Type of Position – The position is for eleven months, with an extension subject to performance through a review process.

Fellowship – Consolidated pay Rs. 70,680 to Rs 85,000 per month (including HRA) based on post-doc experience

Experience – Fresh Ph.D. (at least provisional degree certificate awarded)/ preferably with some post-doc Experience

Eligibility –

- Ph.D. with **BE/BTech/Equivalent** in Chemical Engg/Metallurgical Enn/Mining Engg or Ph.D. with **M.Tech/MS** in Chemical Engg/Metallurgical Enn/Mining Engg related clean coal technology research.
- Should have Multi-phase flow modelling & Computational Fluid Dynamics (CFD) experience during the PhD
- Publication in Scopus indexed journals will have an added advantage.
- The candidate should have good academic records throughout and good writing/communication skills.
- Candidates should not have published in Predatory Journals.

Job Description –

- To develop a definite research product/outcome with TRL 5/6 Level with scale-up scope.
- Review of relevant literature and coordinate the work with the team.
- Experience in handling industrial scale numerical simulations-validation.
- Report preparation, article writing and lab management.
- Interaction with sponsored agencies, traveling for project execution (if needed) etc.

Performance Matrices –

- IP generated
- Different computational approaches to model particulate flows of Mineral industries /coal washeries.
- New knowledge/ technology solutions in Clean coal technologies

Expected Outcomes – IP, Scalable Technology, Research oriented technical minds, New application areas of CPS and start-ups.

Domain Areas of Interest Include –

1. Chemical Engineering-Particulate Technology
2. Computational techniques (CFD/DEM)
3. Coal beneficiation
4. Mineral Processing
5. Processing Engineering-Design
6. AI & ML application for process optimization

How To Apply –

- Candidates, who fulfill the eligibility criteria, should apply through the link given below and apply at the earliest
- **Link for application form** <https://forms.gle/RPRXmER8i8A2FnYw9>
- For more details, please visit <https://cleanz.coe.iith.ac.in/index.html>

Selection Procedure –

- Candidates will be shortlisted based on their eligibility criteria, academic record, and relevant experience
- Only shortlisted candidates will be intimated through email for the interview by the selection committee
- Merely meeting the criteria may not guarantee a call for an interview
- The position will be left vacant and a new advertisement with an extended date will be given if no suitable candidate is found.

Other criteria –

- Accommodation will not be provided by CLEANZ
- Accommodation in IIT HYDERABAD will be subjected to availability (without HRA component as per norms).
- Please note that the position is on-site & within IIT Hyderabad campus.