NITR / SR / 2025 / Advt.- 24MM046 / L / 038   dt. 20-Jun-2025   Ref: FTS 250618-9017   **SR-R03**

Advertisement for Recruitment of Project Position

Candidates who fulfill the below mentioned criteria may submit the application form before the last date. Engagement will be purely on temporary / contractual basis and co-terminus with the completion of the project. Candidates are advised to go through the advertisement details carefully before applying.

1.	Title of the Project:	Slab Casting Mould Digital Twin Development: Physical and Computational Modeling with Machine Learning Combined Approach
2.	Project Code, Dept. with Closing Date:	SR-24-MM-046 10-Jun-2028 Metallurgical and Materials Engg.
3.	Funding Agency Details:	Anusandhan National Research Foundation (ANRF) SERB
4.	PI details:	Prof. Soumitra Kumar Dinda dindask @nitrkl.ac.in, 0661-246 2556
		9836287376 - soumitra.dinda @ gmail.com

5. Details of the Post(s):	6. Educational Qualification & Working Knowledge
Junior Research Fellow (JRF) *[Name of the Post(s)]*	**Essential Qualification (s):** B.E. or B.Tech. with GATE score/M.E. or M. Tech. with GATE score in Metallurgy/ Metallurgical and Materials /Ceramic/Chemical/Mechanical/Industrial/Production/ Manufacturing /Computer Science with minimum 60% marks or 6.5 CGPA. (or) MSc (with GATE/NET/GPAT) in Physics/Chemistry/Mathematics/ Materials Science with minimum 65% marks or 7.0 CGPA.
01 (One) *[No. of Post(s)]* **03** Year(s), **00** Month(s) *(Tenure of Post)*	
Year 1 & 2 INR **37,000.00** /- per month (+) HRA @ **NA** % (if applicable)	
	Desirable Qualification:
Year 3 INR **42,000.00** /- per month (+) HRA @ **NA** % (if applicable)	1. Strong knowledge/experience in Process Metallurgy and Extractive Metallurgy. 2. Previous experience on mathematical modeling using Ansys/Matlab/Python are desirable, but not mandatory. 3.Prior knowledge in Artificial intelligence-Machine Learning (AI-ML).
Job Description:	

1.Conducting experiments and results analysis.
2.Development of mathematical and AI-ML model.
3.Prepare project reports.
Scope to enroll in Ph.D. program in the Department of Metallurgical and Materials Engineering (subject to fulfillme of all Institute/Department eligibiligy criteria)

Online	Interview details:	14-Jul-2025	10.00 AM	Department of Metallurgical and Materials Engg.

Application link for eligible candidate(s): NIT Rourkela Homepage ➡ FACULTY & STAFF ➡ SRICCE ➡ Career ➡ Notices

The candidate(s) are required to send the complete filled and signed application (soft copy) with documents regarding educational qualification indicating percentage of marks / division (mark-sheets and / or certificates), research papers (if any), work experience certificate (if any) etc., This may be built as a single PDF file and sent by email with "Advertisement No." on the subject link to the above mentioned e-mail IDs. NO hard copies of application(s) are required to be sent to the Institute. **Last date for submitting the Application: 05-Jul-2025**

The period of experience in a discipline / area of work, wherever prescribed, shall be counted after the date of acquiring the minimum prescribed educational qualifications for that position. Mere possession of minimum qualification does not guarantee invitation to the interview. Candidates will be short listed based on merit and need of the project. Selection / Joining will be cancelled in case of any suppression of information / document submitted.

NIT Rourkela reserves the right to fix higher criteria for short-listing of eligible candidates from those satisfying advertised qualification and requirement of the project post. Only short-listed candidates will be informed for Online interview. In case, any clarification is required on eligibility regarding the above post, the candidate may contact in the above mentioned details.

Age Guideline: The upper age limit for applying for the award of project position shall be 28 years, which is relaxed up to 5 years in the case of candidates belonging to Schedule Castes / Schedule Tribes / PWD and Female applicants whereas 3 years in the case of OBCs (Non-creamy layer candidates). Upper age limit shall be reckoned as on the last date of receipt of applications.

Any other terms & conditions governed as per guidelines issued by the funding agency for the engagement of above position as amended from time to time shall be in force towards this temporary recruitment.

Sd/-
Asst. / Dy. / Jt. Registrar (SR)

Copy to:
- ➢ PI: Prof. Soumitra Kumar Dinda , MM   ➢ Chairman, DRC, Dept. of MM   ➢ Advertisement File
- ➢ Head of the Department / Centres / Units (It is requested that the contents of the above advertisement be brought to the notice of the staff(s) / student(s) working in your Deptt. / Centre / Unit.)
- ➢ Dealing Seat (SR – Project Recruitment) → *To publish advertisement at NITR website.*