



NATIONAL INSTITUTE OF TECHNOLOGY ROURKELA

[An Institute of National Importance under Ministry of Education, Govt. of India]

Sector 1, Rourkela, Sundergarh Dist., Odisha 769 008

SPONSORED RESEARCH INDUSTRIAL CONSULTANCY CONTINUING EDUCATION

NITR / SR / 2026 / Advt.- 26LS028 / L / 069

dt. 08-Aug-2026 Ref: FTS 260804-5656

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:	Generative AI driven model for Prediction and Early Diagnosis of Cancers using multimodal data integration emphasizing the Epigenomic data generated from Breast tissues (healthy, apparently healthy and tumor)		
2.	Project Code, Dept. with Closing Date:	SR-26-LS-028	22-May-2029	Life Science
3.	Funding Agency Details:	SERB	ANRF	
4.	PI details:	Prof. Samir Kumar Patra		samirp@nitrrkl.ac.in, 0661-246 2683 @ gmail.com
5.	Co-PI details:	Prof. Ratnakar Dash, Computer Science and Engg.		ratnakar@nitrrkl.ac.in, 0661-246 @ gmail.com
6.	Details of the Post(s):		7. Educational Qualification & Working Knowledge	
Junior Research Fellow (JRF)		Essential Qualification (s):		
[Name of the Post(s)]		M.Sc. with NET/GATE qualification and hands-on research experience in project management, molecular biology experimentation, AI model development and validation, multimodal gene expression data integration, scientific writing, and laboratory inventory management.		
01 (One)	02 Year(s), 09 Month(s)			
[No. of Post(s)]	(Tenure of Post)			
Year 1 & 2		Preferably hands-on research experience in project management as depicted in the project; generative AI and epigenetics data handling.		
INR 37,000.00 /- per month (+) HRA @ NA % (if applicable)		Experience / Software / Skillset & Desirable Qualification:		
Year 3		Applicants should possess prior research publications and experience in advanced wet-lab techniques, such as molecular biology and biochemical assays, as well as expertise in cancer cell line and tumor sphere culture. Proficiency in coding and computational analysis is required. Experience in artificial intelligence model development for gene expression data analysis, multimodal data integration, and validation is highly desirable.		
INR 42,000.00 /- per month (+) HRA @ NA % (if applicable)				
Job Description:				

The project fellow will plan and manage projects, carry out laboratory experiments (Wet Lab), and collect, analyze, and document research data. Fellow will help develop, train, validate, and optimize AI models, and work on integrating and validating multimodal gene expression datasets. The fellow will also assist with preparing scientific manuscripts, reviewing literature, and supporting peer-review activities. Keeping accurate records of chemicals, lab supplies, and inventory is important to ensure the project runs smoothly and meets research standards.

Walk-in (offline) Interview details: 19-Aug-2026 10:30 AM Department of Life Science

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: **19-Aug-2026**

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.

-NA-

Sd/-

Ranjan Kumar Nayak
Asst. / Dy. / Jt. Registrar (SR)

Copy to:

- PI & CO- PI: Prof. Samir Kumar Patra, LS & Prof. Ratnakar Dash, Computer Science and Engg. CS ➤ Chairman, DRC, Dept. of LS
- 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) ➤ Advertisement File ➔ To publish advertisement at NITR website.