



NATIONAL INSTITUTE OF TECHNOLOGY RAIPUR

(An Institute of National Importance, Ministry of Education, Govt. of India)

Great Eastern(G. E.) Road,Raipur - 492010(Chhattisgarh)

Phone No.:+91-771-254200

Fax No.:+91-771-2254600

Website:www.nitr.ac.in

Adv. No.:NITRR/IT/2025/15530

Date:24-12-2025

Department of Information Technology (IT)

Advertisement for the Post of Research Associate-III (RA-III) in Wagon Repair Shop (SECR) Sponsored Project

Applications are invited from eligible candidates for the position of **Research Associate-III (RA-III)** on a purely time-bound research project undertaken by the **Department of IT** under the sponsorship of **Wagon Repair Shop (SECR)**.

Title of the Project	Towards Smart Railway: Automated Bearing Defect Detection using Acoustic-Visual Sensing and Deep Learning
Project Investigator(s)	<ul style="list-style-type: none"> Project Investigator (PI):Dr. Tirath Prasad Sahu(Mo. No.: 9826551906) Co-Project Investigator (Co-PI):Dr. Naresh Kumar Nagwani(Mo. No.: 9993312001) Co-Project Investigator (Co-PI):Dr. Chandrakant Thakur(Mo. No.: 7354951575)
Name of the Position	Research Associate-III (RA-III)
Number of Vacancy	One (01) Only
Area of Research	Feature Selection, Machine Learning, Deep Learning, Signal Processing
Consolidated Fellowship	₹ 67,000/- + 20% HRA (Per Month)
Funding Agency	Wagon Repair Shop (SECR).
Duration of the Project	Nine Months (09 Months)
Nature of Appointment	The initial appointment is for three months, with a possibility of extension in successive six-month periods, subject to satisfactory performance, until the project concludes.
Essential Qualifications	<ul style="list-style-type: none"> [Ph.D. in Computer Science and Engineering/Information Technology/Electronics and Communication Engineering/Computer Application/Computer Science] or [having 3 years of research, teaching, and development experience after M.E./M.Tech. in Computer Science and Engineering/Information Technology/Electronics and Communication Engineering/Computer Application/Computer Science/Electrical Engg.] with at least one research paper published in Science Citation Index (SCI) or SCIE journal. Note: GATE/NET qualified candidates are preferable.
Desirable Qualifications	<ul style="list-style-type: none"> Candidates with strong knowledge and hands-on experience in Machine Learning, Deep Learning, Signal Processing, Article/Patent Writing and Python Programming will be given preference.
How to Apply Detail	<ul style="list-style-type: none"> Interested applicants may send the Application to the Email-ID: tpsahu.it@nitrr.ac.in. In case of any queries, please contact PI / Co-PI.
Submission Deadline	<ul style="list-style-type: none"> The complete application must reach to the specified email-id on or before 07-Jan-2026.
Submission Instructions	<ul style="list-style-type: none"> Complete Application (A Single PDF) must be sent with a subject, "Application for the RA-III Position", else, application may be discarded. Complete Application(A Single PDF) should contain all requisite Enclosure(s) in a given sequence – 1Application Form and Undertaking – (Refer to Annexure-1 & Annexure-2), 2 Aadhar Card and Category Certificate, 3Educational Qualification Certificates, 4Experience Certificates, 5Publications Proof.
Written Test& Interview	<ul style="list-style-type: none"> 09-Jan-2026(A notification email would be sent to the shortlisted candidates only).
Other Terms & Conditions	<ol style="list-style-type: none"> Only shortlisted candidates will be notified through email to appear in Written Test Exam and for the Interview, and no other communication in this regard will be entertained. The position is purely temporary and may be extended in the successive six-month periods, subject to satisfactory performance, until the project concludes. Selected candidates shall not be permitted to claim any regular or part-time appointments in this Institute or any other organization during this period. Incomplete applications or containing false information will be summarily rejected. The candidates have to attend the selection process In-person/Online. No TA/DA will be paid for attending the written test examination and interview.
Note: Applicants are strongly advised to read the complete advertisement carefully before submitting their application.	



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Date: 24-Dec-2025

Annexure-1 (Application Form)

1. Name of the Applicant:				Recent Passport Size Photo
2. Correspondence Address:				
3. Date of Birth:		4. Gender: Male / Female		
5. Nationality:		6. Category: Gen/OBC/SC/ST		
7. Contact No:				
8. Email-ID:				
9. Highest Qualification:				
10. Area of Expertise:				
11. Work Experience (In Months):				

12. Details of Academic Qualifications (Starting from UG Degree Onward) (Please Attach Self-Attested Certificates)			
Name of the Qualification	Specialization (Branch / Stream)	University / Institute Name	% Marks / CGPA

13. Details of Relevant Work Experience (Please write in chronological order) [Please Attach Self-Attested Certificates]		
Institute/ Organization	Designation	Duration

14. No. of Publications (Journals/Book Chapters/Conferences) [Attach Proof]:	
15. Whether GATE / CSIR-UGC NET Qualified [Attach Proof]:	
16. Rate your Skills on the following domain specific knowledge [between 1 (min) to 10 (max)]:	
Machine Learning	
Deep Learning	
Python Programming	
17. Any Other Relevant Information:	

Date:

Place:

Signature of the Applicant



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Annexure-2 (Undertaking)

I _____ understand that it is a contractual engagement on a purely temporary basis for a project titled “**Towards Smart Railway: Automated Bearing Defect Detection using Acoustic-Visual Sensing and Deep Learning**”. I declare that the information provided in the application form is correct to the best of my knowledge and belief. I understand that action can be taken against me if these are found to be incorrect. I agree to all the general terms and conditions of the public **Advertisement No. NITRR/IT/2025/ (Dated 24-Dec-2025)** of **National Institute of Technology Raipur** under the sponsorship of **Wagon Repair Shop (SECR)**.

Date:

Place:

Signature of the Applicant

