



Indian Institute of Technology (ISM) Dhanbad
Office of the Dean (Research & Development)

Sanction No and Date: CRG/2023/000583 22 May 2024	IIT (ISM) Project No. SERB(CRG)/2024-2025/1112/MnC	Date 10.06.2024
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Project Staff RA position under Anusandhan National Research Foundation (ANRF) Project

Applications are invited under the sponsored project. The details of the project are as under:

Position	Research Associate- I (RA)
Number of Position (s)	One
Title of The Project	Design and Assessment of Complex Network Models and their Applications to halt Brain Disorders
Principal Investigator	PI: Prof. Ranjit Kumar Upadhyay, Indian Institute of Technology (Indian School of Mines), Dhanbad, Jharkhand-826004 CO PI: Dr. Parimita Roy, Assistant Professor, School of Mathematics, Thapar Institute of Engineering and Technology, Patiala-147004, India.
Tenure of Project	3 Years
Job Description (in maximum of 100 words)	Our project is expected to develop new mathematical network models (temporal, spatial, and stochastic) for Alzheimer's disease. In this project, we will develop mathematical and computational techniques to investigate various open questions associated with Alzheimer's progression qualitatively and quantitatively using nonlinear dynamics, network theory, and machine learning techniques. The project is also expected to develop an understanding of various neurological disorders, their detection, and their cure.
Essential Qualification	PhD Applied Mathematics/ Pure Mathematics/ Mathematics and scientific computation or equivalent degrees or having 3 years of research, teaching and design and development experience after MSc/ME/M.Tech with at least one research paper in Science Citation Index (SCI) Journal
Desirable Qualification	Knowledge of MATLAB, Python or other similar language
Age and Relaxation	NA
Fellowship	Rs. 58000 per month (consolidated)
Last Date & Time	30 June 2024
Shortlisted candidates will be informed on the date of interview. Mere possession of minimum qualification does not guarantee an invitation to the interview. Candidates will be short listed based on their merit and as per the requirement of the project. All candidates should make their own arrangements for their stay at Dhanbad, if required. No TA/DA will be paid to attend the interview.	

Rupadhyay

10.06.2024

(Signature of PI)

Application Form for Research Associate (RA) in SERB Sponsored Project

Project Title: ***Design and Assessment of Complex Network Models and their Applications to halt Brain Disorders***

1. Name:

2. Male/Female:

3. Father/Spouse's Name:

4. Mother Name:

5. Address:

(i) Communication address

(ii) Permanent address:

6. Email id:

7. Phone No:

8. Date of birth:

9. Material status:

10. Nationality:

11. Caste category (OP/SC/ST/OBC/PH):

12. Details of Universities/Institutions attended (from 10th Standard onwards to PhD)
(Self-Attested copies of certificates and mark sheets/grade cards must be presented at the time of interview)

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Degree obtained	University/College/ Board	Year	Subject/s	% Marks/ CGPA/CPI	Class (if any)

13. Professional Qualifying Examination Passed: GATE/NET/Equivalent:
(Attested copy of certificate must be attached)

Name of Examination	Subject	Rank /Marks /Score/Percentage	Qualifying date/year	Valid upto

14. Professional Experience (Teaching/Research/Industrial), if any

Name of organization	Position	Type of work	Period	
			From	To

15. Any other relevant information:

16. Declaration

I hereby declare that the entries made in this application form are correct to the best of my knowledge and belief.

Place:

Signature of the applicant

Date: