



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

Sanction No: CRG/2023/003749 Date: 19.02.2024	IIT (ISM) Project No.: SERB(CRG)(418)/2023-2024/1087/MnC	Date: 04.07.2025
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**RA position under Science and Engineering Research Board (Anusandhan National Research Foundation)-
Core Research Grant Project**

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

Position	Research Associate (RA)
Number of Position (s)	01 (One)
Title of The Project	The Game of Cops and Robbers and its Variations: Theory and Bounds
Principal Investigator	Dr. Dinabandhu Pradhan , Associate Professor, Department of Mathematics and Computing, Indian Institute of Technology (Indian School of Mines), Dhanbad-826004, Jharkhand E-mail: dina@iitism.ac.in ; dpradhan1@gmail.com
Tenure of Project	Maximum two years or till the end of project, whichever is earlier
Job Description	Research
Essential Qualification	PhD in Mathematics/Computer Science having thesis in the area of graph theory/graph algorithms/algebraic graph theory. The candidate must have at least one published SCI/SCIE publication.
Desirable Qualification	Knowledge in graph theory/graph algorithms/algorithms/complexity theory
Age and Relaxation (if any)	The upper age limit for RA will be 35 years at the time of appointment. A relaxation of 5 years in upper age limit will be given to SC/ST/PH/VH/OBC (Non-Creamy layer)/ Female candidates
Fellowship	First Year @₹ 58,000/- per month +HRA Second Year @₹ 61,000/- per month +HRA Third Year @₹ 67,000/- per month+ HRA
Last Date & Time	15.07.2025, 12.00 Noon, Interested Students are requested to email their filled application as given below with all relevant documents merged in a single PDF file. Also, provide detailed CV. Your documents should be mailed to dina@iitism.ac.in
Note: Shortlisted candidates will be informed through email about the date for interview. The interview will be conducted in online/offline mode (it would be intimated). Mere possession of minimum qualification does not guarantee an invitation to the interview. Candidates will be shortlisted 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.	

Principal Investigator
04.07.2025

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

Project Title: ***The Game of Cops and Robbers and its Variations: Theory and Bounds***

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)
(scanned copies of certificates and mark sheets/grade cards must be merged in one PDF along with this application)

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

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13. Professional Qualifying Examination Passed: GATE/NET/Equivalent:

(Copy of all certificate must be merged in one PDF along with this application)

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. Publication List **(Merge all publication in one PDF along with this application)**

S.No	Authors	Title	Journal	Volume	Page No	Indexed in (SCI/SCIE/ESCI/scopus)

Any other relevant information:

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: