

Institute of Physics (IOP), Bhubaneswar

Advt. for Research Student/Project Associate-I/JRF Position

Applications are invited for a Research student/Project Associate-I/JRF Position under a CRS project funded by UGC-DAE consortium for scientific research.

A Brief Description of the Project : We propose to tune material properties based on dimensional engineering of energy material and self-assembled networks and nano-systems (Dirac materials, topological insulators, graphene, etc). Project involves working in interdisciplinary research areas ranging from the basic properties of condensed-matter systems and investigating them through electronic structure and magnetic properties. Depending on the interest of the student, research work can be extended to various advanced functional materials which have potential technological applications.

Selected candidates will have an unique opportunity to work with various advanced experimental facilities available at UGC-DAE consortium for scientific research, Indore and the facilities at IOP, Bhubaneswar.

Essential and Desirable Qualifications:

Student should have interest in Experimental condensed matter, Material Science

For Research student: M.Sc. with 60% marks and above from a recognized University/ Institution

For Project Associate-I position/JRF position: M.Sc. with 60% marks and above from a recognized University/ Institution with JEST/GATE/NET-JRF qualified.

(In case your result of M. Sc. is awaited mention the same in the application form)

Fellowship and Allowances: As per the existing guidelines

For Research student: Rs. 14,000 pm + HRA

For Project Associate-I /JRF: Rs. 31,000/- pm + HRA

Contingency: Rs. 15,000/- per year

Consumables: Rs. 30,000/- per year

Accommodation: Accommodation inside the campus is subject to availability. HRA would be given at a permissible rate for the candidates staying outside the campus.

Duration:

Initial appointment will be for one year, extendable in the slot of year depending upon the performance of the candidate. The project position is co-terminus with the project.

How to Apply: Interested candidates should

1. Fill the attached application form
2. Email completely filled application form
3. Email marksheets of 10th, 12th, B.Sc. and M. Sc.
4. Email copy of the qualifying exam JEST/GATE/NET-JRF
5. Single Email containing all above information should be sent to: **dst.topwal@iopb.res.in**
6. Last date of receiving the application with all the documents: **May 13, 2022**

Shortlisted candidates will be intimated by email before **May 23, 2022** and may be asked for a virtual interview/presentation over Skype/Google-Meet/Zoom.

Application Form for Research student

Photograph:	
Name of the candidate	
Date of birth	
Gender	
Aadhaar Number	
Email Address	
Contact information/address	
City	
State	
Mobile number	

Basic education: (you are required to send soft copy of the 10th and 12th std. marks card)

10 th Std	Subjects	Marks/% marks	Year of passing	Institution	Board	Total/Aggregate marks includes all the subjects
	English					
	Science					
	Maths					

12 th Std	Subjects	Marks/% marks	Year of passing	Institution	Board	Total/Aggregate marks includes all the subjects
	English					
	Maths					
	Physics					
	Chemistry					

Bachelors degree: (you are required to send soft copy of the B. Sc. marks card)

B. Sc.	Total/Aggerate Marks or % marks of all subjects (year wise or semester wise)	Year of passing	Institution/university
	Year 1 / Semester 1:		
	Year 2 / Semester 2:		
	Semester 3:		
	Semester 4:		
	Semester 5:		
	Semester 6:		

Masters degree: (you are required to send soft copy of the M. Sc. marks card, in case the result is awaited mention the same)

M. Sc.	Total/Aggerate Marks or % marks of all subjects (year wise or semester wise)	Year of passing	Institution/university
	Year 1 / Semester 1:		
	Year 2 / Semester 2:		
	Semester 3:		
	Semester 4:		

Major subject in M. Sc.

Specialization subject:

National Exam: : (you are required to send soft copy of the Gate/Net-JRF qualifying exam)

Gate:	Year of appearing	Rank	Marks
Joint CSIR UGC NET for JRF	Year and month of appearing	Rank	Marks
JEST	Year of appearing	Rank	Marks

Describe any project, or laboratory experiment, or research-oriented training programme that you have been involved in. Please highlight the aspects that you particularly enjoyed (write in 200 words)