

Applications are invited from the Indian nationals for the position of Junior Research Fellow (JRF) to work in the DST-SERB-POWER project entitled “**Theoretical Investigation of disordered vehicular traffic dynamics in context to Indian roads**” under the supervision of undersigned. It is possible for selected candidate to register for PhD program according to the existing institute rules.

This project is multidisciplinary in nature which involves on one hand theoretically analyzing of Traffic flow on networks and validating the theoretical results using numerical simulation. A highly motivated candidate is required for improvement and refinement of existing theories in non-equilibrium systems.

Post: Junior Research Fellow (JRF)

Positions: 1

Duration: 3.0 years or till the completion of the project, whichever is earlier.

Emoluments: As per DST rules

Essential Qualifications: ‘Master’s degree in Mathematics/Physics’ or in any related discipline with a minimum of 60% marks (or 6.5 Grade Point out of 10) selected through any one of the following:

- a). Scholars who are selected through National Eligibility Tests-CSIR-UGC NET including lectureship and GATE.
- b). The selection process through National level examinations conducted by Central Government departments and their agencies such as DST, DBT, DAE, DOS, DRDO, MHRD, ICAR,ICMR,IIT IISc, IISER etc.

Desirables: Good knowledge of programming, strong analytical skills and creativity.

How to Apply?

Application form is given on the following sheet. Along with the completely filled form the applicant should email the following to the undersigned email ID on or before 25th July 2021.

- A one page cover letter describing background and motivations
- Curriculum Vitae
- Contact information of at least one referee

Please write in the subject line: *Application for the post of JRF_(....Name....)*.

Dr Sapna Sharma

Associate Professor
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Punjab, India-140004
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Application form for Junior Research Fellow (JRF) to work in the DST-SERB sponsored project

Personal Details

Full Name (In capital)			
Date of Birth (DD/MM/YY)		Category (General/SC/ST/OBC)	
Age (in years)		Gender (Male/Female)	
Marital Status (Single/Married)		Nationality	
Address for Communication		Permanent Address	
Mobile/Phone No.		Email:	

Details of School/University/Institute Studied (From Matriculation Onward)

S. No.	Degree	Discipline	University/Institute	Regular/ Part-time	Year	%Marks /CGPA*	Division
1.							
2.							
3.							
4.							
5.							

**[Please also submit softcopy of the semester-wise mark-sheets as well as softcopy of degree]*

Qualifying Examination (GATE/CSIR/UGC/LS-NET/Others)

Qualifying Examination (& name of subject)	Branch	Year	Valid Up to	Percentile(& Score)	All India Rank
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Professional Experiences (Teaching/Research/Industrial) if any

Name of Organization	Designation	Nature of Work	From	To

Research Publication (if any):

[Also attached softcopy of conference/journals papers separately (if applicable)]

Awards, patents, prizes etc (if any):

Any other Relevant Information:

DECLARATION

I hereby declare that I have carefully read the instructions and particulars supplied to me and that the entries made in this application form are correct to the best of my knowledge and belief. If selected for admission, I promise to abide by the rules and discipline of the Institute. I note that the decision of the Institute is final in regard to selection for admission and assignment to a particular Department and field of study. The Institute shall have the right to expel me from the Institute at any time after my admission, provided it is satisfied that I was admitted on false particulars furnished by me or my antecedents prove that my continuance in the Institute is not desirable. I agree that I shall abide by the decision of the Institute, which shall be final.

Place :

Date :

Signature of Applicant